

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 13, 2003, 01:53:26 ; Search time 2227 Seconds
(without alignments)
3999.038 Million cell updates/sec

Title: US-10-054-678-1

Perfect score: 2725

Sequence: 1 tcagtcgctgggcccagcctg.....aagctcacacttgggctggc 2725

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2169961 segs. 1634102185 residues

Total number of hits satisfying chosen parameters: 43399922

Minimum DB seq length: 0

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Post-processing: Minimum Match 08

Post-processing: Minimum Match 0%
Maximum Match 100%

Maximum Match 100%
Listing first 120 summaries

Database : Published Applications NA:*

[illegible]

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query			DB	ID	Description
	Score	Match	Length			
1	2725	100.0	2725	14	US-10-054-678-1	Sequence 1, Appl
2	1940	71.2	1955	14	US-10-175-523-53	Sequence 53, Appl
3	1807.2	66.3	1812	14	US-10-092-908-36	Sequence 36, Appl
4	1016.8	37.3	3078.1	14	US-10-092-908-37	Sequence 37, Appl
5	328.4	12.1	595	12	US-10-029-386-12070	Sequence 12070, A
6	279.4	10.3	287	12	US-10-029-386-25770	Sequence 25770, A
c 7	258.4	9.5	567	12	US-10-029-386-10900	Sequence 10900, A
c 8	258	9.5	258	12	US-10-029-386-24603	Sequence 24603, A
c 9	193	7.1	2037	12	US-10-311-455-2270	Sequence 2270, A
10	179.6	6.6	2037	12	US-10-311-455-2269	Sequence 2269, Ap
11	150.4	5.5	739	12	US-10-027-632-125683	Sequence 125683,
12	150.4	5.5	739	13	US-10-027-632-125683	Sequence 125683,
13	146.8	5.4	2150	12	US-10-137-870-189	Sequence 189, App
14	146.8	5.4	2150	12	US-10-140-018-189	Sequence 189, App
15	146.8	5.4	2150	12	US-10-140-021-189	Sequence 189, App
16	146.8	5.4	2150	12	US-10-140-274-189	Sequence 189, App

Db 1141 TCATCTCACTGGGCTACTGACAGGACAAGTGCACCCAGCTGGCAGCTGCTCCCTCCGCGGA 1200
Qy 1201 TCACATCTTCCGCTCTCAGCTCCACACACACACCTGACTGGAGAAAGGTGCTACAGTGC 1260
Db 1201 TCACATCTTCCGCTCTCAGCTCCACACACACACCTGACTGGAGAAAGGTGCTACAGTGC 1260
Qy 1261 TGGTCCGGGACGGCGGGAGTGGAGATCGTGAACACAGGACAATCACTACAGCCCTCACT 1320
Db 1261 TGGTCCGGGACGGCGGGAGTGGAGATCGTGAACACAGGACAATCACTACAGCCCTCACT 1320
Qy 1321 TCAGGAGATCCGCATGTTGAAGAAGGTTCGTGTCGCTCCATCCGGGAGATGCTCATCA 1380
Db 1321 TCAGGAGATCCGCATGTTGAAGAAGGTTCGTGTCGCTCCATCCGGGAGATGCTCATCA 1380
Qy 1381 CCTCTGCAGTACAACACGGAAGACCGGGAGCTGGCCACAGTGGGGGGCTTCGGGATCC 1440
Db 1381 CCTCTGCAGTACAACACGGAAGACCGGGAGCTGGCCACAGTGGGGGGCTTCGGGATCC 1440
Qy 1441 TGGAGGAGATGTGTGTAACCTACGTGCACTACTACCTCCAGACGAGCTGGAGCTTCGCA 1500
Db 1441 TGGAGGAGATGTGTGTAACCTACGTGCACTACTACCTCCAGACGAGCTGGAGCTTCGCA 1500
Qy 1501 AGACGGCTGTGGACGCGCGCTTCCTGCAGAGTACTTCCACCTCATCAACAGGTTCAACA 1560
Db 1501 AGACGGCTGTGGACGCGCGCTTCCTGCAGAGTACTTCCACCTCATCAACAGGTTCAACA 1560
Qy 1561 ACAGGAGTGTGTGACCTGCGCTCAGGCGTCCGTGCTCAGCAGTTCACCTCTGTTCCCT 1620
Db 1561 ACAGGAGTGTGTGACCTGCGCTCAGGCGTCCGTGCTCAGCAGTTCACCTCTGTTCCCT 1620
Qy 1621 GGAACCTCTTCAACCGGACGTACTGAAGGCCCTGTACAGCTTCGCGCCCATCTCCATGC 1680
Db 1621 GGAACCTCTTCAACCGGACGTACTGAAGGCCCTGTACAGCTTCGCGCCCATCTCCATGC 1680
Qy 1681 ACTGCACAGTCTCAGCGCTCGCTTCCAGGGTGAATGGACCTCAGCCCTCGCCA 1740
Db 1681 ACTGCACAGTCTCAGCGCTCGCTTCCAGGGTGAATGGACCTCAGCCCTCGCCA 1740
Qy 1741 AGGTCACTCCACACTGGAAGAGCCACCCACAGTGCCTCCACAGCAGGCGGAGGCC 1800
Db 1741 AGGTCACTCCACACTGGAAGAGCCACCCACAGTGCCTCCACAGCAGGCGGAGGCC 1800
Qy 1801 CTGTCGCCCAACCGTGTGACGATNTGGTGGGCAAAAGCTGAGGGGCACTTACTCTCT 1860
Db 1801 CTGTCGCCCAACCGTGTGACGATNTGGTGGGCAAAAGCTGAGGGGCACTTACTCTCT 1860
Qy 1861 CCCCCTCTCATGCTGCTCCTGTGGGCTCACACCGGCACTGTGCACTTACTCTCGGAC 1920
Db 1861 CCCCCTCTCATGCTGCTCCTGTGGGCTCACACCGGCACTGTGCACTTACTCTCGGAC 1920
Qy 1921 GATCCCCATGGAACAGCCCTGACGCGCCAGATGAAGGGCCAGACCCAGCCCTGCTG 1980
Db 1921 GATCCCCATGGAACAGCCCTGACGCGCCAGATGAAGGGCCAGACCCAGCCCTGCTG 1980
Qy 1981 AGACACGGTCCAATCAGCCTTCTTCCCGAGGGTCCCTGCACTGAGAGGGGTG 2040
Db 1981 AGACACGGTCCAATCAGCCTTCTTCCCGAGGGTCCCTGCACTGAGAGGGGTG 2040
Qy 2041 GGTGCTCTGTGACCTACCTGACCGAGTGGACCAAGCTGCTCAATTAACCCGGC 2100
Db 2041 GGTGCTCTGTGACCTACCTGACCGAGTGGACCAAGCTGCTCAATTAACCCGGC 2100
Qy 2101 TGACTCAGTCAGGACAGCCCGACAGTGTGTCAGGGTCCAGCCCTCCGCGAGCCCTGT 2160
Db 2101 TGACTCAGTCAGGACAGCCCGACAGTGTGTCAGGGTCCAGCCCTCCGCGAGCCCTGT 2160
Qy 2161 TCGCCTCACTGGGTGGCTGTGCTTCTGGGACAGGACCACTGCTGGGCGGGGTG 2220
Db 2161 TCGCCTCACTGGGTGGCTGTGCTTCTGGGACAGGACCACTGCTGGGCGGGGTG 2220
Qy 2221 AATCACGGGAACGCCCCCGCCCCCGCTGCTCCCGGTGTGACGGGTGCGGGT 2280
Db 2221 AATCACGGGAACGCCCCCGCCCCCGCTGCTCCCGGTGTGACGGGTGCGGGT 2280

Qy 2281 CCGCTTAAACATTTCCCTGCTGAGTGGCTCGTGTTCACAGTGGCGGCTTCCCTGGAC 2340
Db 2281 CCGCTTAAACATTTCCCTGCTGAGTGGCTCGTGTTCACAGTGGCGGCTTCCCTGGAC 2340
Qy 2341 GGAGGACAGGACCGGCAATTTAGCTAGTTAGAGACTCGCTGGGAAATTCCTCAATTCCTG 2400
Db 2341 GGAGGACAGGACCGGCAATTTAGCTAGTTAGAGACTCGCTGGGAAATTCCTCAATTCCTG 2400
Qy 2401 AGTAAACAGATATTTTCGCCCACTTAAGGGAAGCCCTGACAACTATCACCANAAGA 2460
Db 2401 AGTAAACAGATATTTTCGCCCACTTAAGGGAAGCCCTGACAACTATCACCANAAGA 2460
Qy 2461 CGAGGCGGCAAGATCCAGCGGGCTTCTGGGCGCGGCTTCCAGTGGGGTGGAAATTAAT 2520
Db 2461 CGAGGCGGCAAGATCCAGCGGGCTTCTGGGCGCGGCTTCCAGTGGGGTGGAAATTAAT 2520
Qy 2521 AGACACAGCTTGTCTTCTCGCGTGGGGCAGCGCTGAACAGACCGGGTGGAGTCAAG 2580
Db 2521 AGACACAGCTTGTCTTCTCGCGTGGGGCAGCGCTGAACAGACCGGGTGGAGTCAAG 2580
Qy 2581 GCTGTGCTTTCGCGTGGTTCGCCACTTAGGGAGTGTGCTTGGGCGGGCCATTTCACA 2640
Db 2581 GCTGTGCTTTCGCGTGGTTCGCCACTTAGGGAGTGTGCTTGGGCGGGCCATTTCACA 2640
Qy 2641 TTCTGACCCCTCACTTTTCTCATCTGTAAAAACAGGCTGATGCCGTGGGCTTAATGAGC 2700
Db 2641 TTCTGACCCCTCACTTTTCTCATCTGTAAAAACAGGCTGATGCCGTGGGCTTAATGAGC 2700
Qy 2701 CAATAAGCTCACACTTGGGCTGGC 2725
Db 2701 CAATAAGCTCACACTTGGGCTGGC 2725

RESULT 2

US-10-175-523-53
; Sequence 53, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/10795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 53
; LENGTH: 1955
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-175-523-53

Query Match 71.2%; Score 1940; DB 14; Length 1955;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1943; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

; CURRENT APPLICATION NUMBER: US/10/092,908
; CURRENT FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: US 60/274,095
; PRIOR FILING DATE: 2001-03-07
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 1812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-092-908-36

Query Match 66.3%; Score 1807.2; DB 14; Length 1812;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1809; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy	33	ATGCGGAGGAGCGCTTCATGTACAGCACAGCAGTGGCCATCTTCCTGGTCACTCCTGGTG	92
Db	1	ATGCGGAGGAGCGCTTCATGTACAGCACAGCAGTGGCCATCTTCCTGGTCACTCCTGGTG	60
Qy	93	CCCGCACTGACAGGGTCCGGCTCCCGGTGAGAGCCCCCTCCCTCATCATCCCCCTGGAC	152
Db	61	CCCGCACTGACAGGGTCCGGCTCCCGGTGAGAGCCCCCTCCCTCATCATCCCCCTGGAC	120
Qy	153	CCGAGGGGTCCTGGAGCTCTCATGGAATGTACAGCTACACCCAGGAGGCCATCATTTTC	212
Db	121	CCGAGGGGTCCTGGAGCTCTCATGGAATGTACAGCTACACCCAGGAGGCCATCATTTTC	180
Qy	213	CAGCTCTCTGGTGGGAGGCTCAAGGCTGGGCTCTGTTGGGATGTCGACCGTGGGAG	272
Db	181	CAGCTCTCTGGTGGGAGGCTCAAGGCTGGGCTCTGTTGGGATGTCGACCGTGGGAG	240
Qy	273	CTTGAGAACGAGATCTCGTGGTGTCTGGACCGATGGGACACTGCTTATTTTGGCGAC	332
Db	241	CTTGAGAACGAGATCTCGTGGTGTCTGGACCGATGGGACACTGCTTATTTTGGCGAC	300
Qy	333	GCCTGGAGTAGACAGAGGGGAGATCACTGATGCCATGCCAGCAGGACTACCACTGCTG	392
Db	301	GCCTGGAGTAGACAGAGGGGAGATCACTGATGCCATGCCAGCAGGACTACCACTGCTG	360
Qy	393	CAGGTGACAGAGACCCAGAGAGGCTGACCTGCTTTTCAAGAGGCTTTGGCAGCTGC	452
Db	361	CAGGTGACAGAGACCCAGAGAGGCTGACCTGCTTTTCAAGAGGCTTTGGCAGCTGC	420
Qy	453	GACCCCAAGGATTACCTCATTTAGAGACGGCACTGTCCACTTGGTCTACGGGATCCTGGAG	512
Db	421	GACCCCAAGGATTACCTCATTTAGAGACGGCACTGTCCACTTGGTCTACGGGATCCTGGAG	480
Qy	513	GAGCGTTTCGGTCACTGGAGGCGATCAACGGCTCGGCTGACAGATGGGCTGCAGAGG	572
Db	481	GAGCGTTTCGGTCACTGGAGGCGATCAACGGCTCGGCTGACAGATGGGCTGCAGAGG	540
Qy	573	GTGAGCTCTGAAGCCCATATCCCGAACCGGAGTTGCCCTCAGACGGGTGCACCATG	632
Db	541	GTGAGCTCTGAAGCCCATATCCCGAACCGGAGTTGCCCTCAGACGGGTGCACCATG	600
Qy	633	GAGGTCCAAGCTCCCAATATCCAGATCCCGACGAGGACACGCTACTGGTGTACATT	692
Db	601	GAGGTCCAAGCTCCCAATATCCAGATCCCGACGAGGACACGCTACTGGTGTACATT	660
Qy	693	AAGGAGCTTCAAAAGGGCTCTCTCGGACACACATTATCAAGTACGAGCCCATCGTCAAC	752
Db	661	AAGGAGCTTCAAAAGGGCTCTCTCGGACACACATTATCAAGTACGAGCCCATCGTCAAC	720
Qy	753	AAGGGCAATAGGCGCTTGTCCACACATGGAAGTCTTCAGTGGCGGCCCGGAGATGGAC	812
Db	721	AAGGGCAATAGGCGCTTGTCCACACATGGAAGTCTTCAGTGGCGGCCCGGAGATGGAC	780
Qy	813	AGCGTCCCGCACTTTCAGGGGCTCTGGAGCTCCCAAGATGAAACCCGCGCTCAACTAC	872
Db	781	AGCGTCCCGCACTTTCAGGGGCTCTGGAGCTCCCAAGATGAAACCCGCGCTCAACTAC	840
Qy	873	TGCCGCCACGCTGTGGCGCTGGGCGCTGGGTGCCCAAGGCAATTTTACTACCCAGAGGAA	932

Db	841	TGCCGCCACGCTGTGGCGCTGGGCGCTGGGTCGAAGGCAATTTTACTACCCAGAGAA	900
Qy	933	GCCGCGCTTGGCTTTCGGGGTCCAGGGTCTCCAGATATCTCCGCTCGAAGTTCACTAC	992
Db	901	GCCGCGCTTGGCTTTCGGGGTCCAGGGTCTCCAGATATCTCCGCTCGAAGTTCACTAC	960
Qy	993	CACAACCCACTGGTGTAGAGAGAGCAAAACGACTCTCTCAGGCATCCGCTTGTACTACACA	1052
Db	961	CACAACCCACTGGTGTAGAGAGAGCAAAACGACTCTCTCAGGCATCCGCTTGTACTACACA	1020
Qy	1053	GCCAAGCTGGGCGCTTCAACGCGGGGATCATGAGCTGGGACTGGTGTACACGCCAGTG	1112
Db	1021	GCCAAGCTGGGCGCTTCAACGCGGGGATCATGAGCTGGGACTGGTGTACACGCCAGTG	1080
Qy	1113	ATGSCCAATTCACACACGGGAGACCGCTTCATCTCTACTGGCTACTGCACGGAAGAAGTC	1172
Db	1081	ATGSCCAATTCACACACGGGAGACCGCTTCATCTCTACTGGCTACTGCACGGAAGAAGTC	1140
Qy	1173	ACCCAGCTGGCACTGCCCTCCCTCCGGGATCCACATCTTCGCTCTCTCAGCTCCACACACAC	1232
Db	1141	ACCCAGCTGGCACTGCCCTCCCTCCGGGATCCACATCTTCGCTCTCTCAGCTCCACACACAC	1200
Qy	1233	CTGACTGGGAGAAAGGTGGTCAAGTGTGTCGGGACGGCCGGGAGTGGGAGATCGTG	1292
Db	1201	CTGACTGGGAGAAAGGTGGTCAAGTGTGTCGGGACGGCCGGGAGTGGGAGATCGTG	1260
Qy	1293	AACCAGACAACTACTACAGCCCTCACTCCAGAGATCCGCATGTTGAAGAAGTCTGTG	1352
Db	1261	AACCAGACAACTACTACAGCCCTCACTCCAGAGATCCGCATGTTGAAGAAGTCTGTG	1320
Qy	1353	TCGCTCCATCCGGGAGATGTGCTCATCACTCTCTGACGCTACAACACGGAAGACCGGAG	1412
Db	1321	TCGCTCCATCCGGGAGATGTGCTCATCACTCTCTGACGCTACAACACGGAAGACCGGAG	1380
Qy	1413	CTGSCCAAGTGGGGGCTTCGGGATCTTGAGAGAGATGTGTCAACTACGTGCACCTAC	1472
Db	1381	CTGSCCAAGTGGGGGCTTCGGGATCTTGAGAGAGATGTGTCAACTACGTGCACCTAC	1440
Qy	1473	TACCCCGACAGCGAGCTGAGCTCTGCAAGACGGCTGTGGACGGGCTTCTTCAGAG	1532
Db	1441	TACCCCGACAGCGAGCTGAGCTCTGCAAGACGGCTGTGGACGGGCTTCTTCAGAG	1500
Qy	1533	TACTTCCACCTCATCAACAGGTTCAACAAAGAGATGTCTGACCTGCGCTCAGGCGTCC	1592
Db	1501	TACTTCCACCTCATCAACAGGTTCAACAAAGAGATGTCTGACCTGCGCTCAGGCGTCC	1560
Qy	1593	GTGTCTCAGCAGTTCACTCTGTTCCTTGGAACTCTTCAACCGCGACGTACTGAAAGGCC	1652
Db	1561	GTGTCTCAGCAGTTCACTCTGTTCCTTGGAACTCTTCAACCGCGACGTACTGAAAGGCC	1620
Qy	1653	CTGTACAGCTTCGGCGCCATCTCCATGCACTGCAACAGTCTCAGCGGTCGGCTTCCAG	1712
Db	1621	CTGTACAGCTTCGGCGCCATCTCCATGCACTGCAACAGTCTCAGCGGTCGGCTTCCAG	1680
Qy	1713	GGTGAATGGAACCTGACGCCCCCTGCCCAAGTCTATCTCAACCTGGAAGAGCCCAACCCCA	1772
Db	1681	GGTGAATGGAACCTGACGCCCCCTGCCCAAGTCTATCTCAACCTGGAAGAGCCCAACCCCA	1740
Qy	1773	CAGTGGCCCCACACGAGGCGCCGAGCCCTGCTGGCCCCCACCCTTGTGAGCATTTGGTGGG	1832
Db	1741	CAGTGGCCCCACACGAGGCGCCGAGCCCTGCTGGCCCCCACCCTTGTGAGCATTTGGTGGG	1800
Qy	1833	GGCAAAAGGCTGA 1844	
Db	1801	GGCAAAAGGCTGA 1812	

RESULT 4
US-10-092-908-37
; Sequence 37, Application US/10092908
; Publication No. US20030040015A1
; GENERAL INFORMATION:

APPLICANT: Kim, Kwang-Soo
APPLICANT: Kim, Chun-Hyung
APPLICANT: Robertson, David
TITLE OF INVENTION: Methods and Reagents for Identifying
TITLE OF INVENTION: Compounds and Mutations That Modulate Dopamine
TITLE OF INVENTION: Beta-Hydroxylase Activity
FILE REFERENCE: 04843/097002
CURRENT APPLICATION NUMBER: US/10/092,908
CURRENT FILING DATE: 2002-03-07
PRIOR APPLICATION NUMBER: US 60/274,095
PRIOR FILING DATE: 2001-03-07
NUMBER OF SEQ ID NOS: 49
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 37
LENGTH: 30781
TYPE: DNA
ORGANISM: Homo sapiens
US-10-092-908-37

Query Match 37.3%; Score 1016.8; DB 14; Length 30781;
Best Local Similarity 99.8%; Pred. No. 3.3e-266;
Matches 1018; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1706 CTTCCAGGGTGAATGGAACCTGAGCCCTGCCCAAGGTCACTCCACACTGGAAGAGCC 1765
DB 27673 CTTGCAAGGTGAATGGAACCTGAGCCCTGCCCAAGGTCACTCCACACTGGAAGAGCC 27732

QY 1766 CACCCACAGTGCCTCCACAGCAGAGGCGGAAGCCCTGCTGGGCCACAGCGTTGTGAGCAT 1825
DB 27733 CACCCACAGTGCCTCCACAGCAGAGGCGGAAGCCCTGCTGGGCCACAGCGTTGTGAGCAT 27792

QY 1826 TGGTGGGGCAAGAGCTGAGGGGGGACCTACTCTCCCTCCCTCTCCATGCTGTCCTGTG 1885
DB 27793 TGGTGGGGCAAGAGCTGAGGGGGGACCTACTCTCCCTCCCTCTCCATGCTGTCCTGTG 27852

QY 1886 GGCTCACACCGGCACTGTGCACCTACTCTGCGACGATCCCCATGGAACAGCCCTGCACG 1945
DB 27853 GGCTCACACCGGCACTGTGCACCTACTCTGCGACGATCCCCATGGAACAGCCCTGCACG 27912

QY 1946 CCAGAGTGAAGGGGCGAGACAGCCCTCCCTGAGACACAGCCGTCCAATCCAGCCTTCT 2005
DB 27913 CCAGAGTGAAGGGGCGAGACAGCCCTCCCTGAGACACAGCCGTCCAATCCAGCCTTCT 27972

QY 2006 TCCCCAGGGTCCCTCTCATGGCTGAGAGGTGTGGGTGCCCTGTGACCTACCCCTGGAC 2065
DB 27973 TCCCCAGGGTCCCTCTCATGGCTGAGAGGTGTGGGTGCCCTGTGACCTACCCCTGGAC 28032

QY 2066 CGAGTGGACACAGCACTCGTCCATTTAAACCCGGCTGACTCAGTGCAGGAGACAGCCGCA 2125
DB 28033 CGAGTGGACACAGCACTCGTCCATTTAAACCCGGCTGACTCAGTGCAGGAGACAGCCGCA 28092

QY 2126 CAGTGTCCAGGTCAGCCCTCGCCAGCCCTGTTCCGCTCACTGGGTGGCCCTGGC 2185
DB 28093 CAGTGTCCAGGTCAGCCCTCGCCAGCCCTGTTCCGCTCACTGGGTGGCCCTGGC 28152

QY 2186 TTCTGGAGACGACCATGCTGGCCGGGTGTGGAATCACCGGAACGCCGCCGCCGCC 2245
DB 28153 TTCTGGAGACGACCATGCTGGCCGGGTGTGGAATCACCGGAACGCCGCCGCCGCC 28212

QY 2246 GCCCCGCTGCTCCCGGTGTGACGGGTGCGGGTGCCGCTTTAAACATTTCCCTGCTGAGT 2305
DB 28213 GCCCCGCTGCTCCCGGTGTGACGGGTGCGGGTGCCGCTTTAAACATTTCCCTGCTGAGT 28272

QY 2306 GGCTCGTGTTCAGTGGGGGCTTCCCTGGACGAGGAGCAGCAGCAGCATTTAGCTA 2365
DB 28273 GGCTCGTGTTCAGTGGGGGCTTCCCTGGACGAGGAGCAGCAGCAGCATTTAGCTA 28332

QY 2366 GTTAGAGACTCGCTGGGAAATTGCTCCATTCTGTAGTAACAGATATTTTCGCCACCT 2425
DB 28333 GTTAGAGACTCGCTGGGAAATTGCTCCATTCTGTAGTAACAGATATTTTCGCCACCT 28392

QY 2426 AAGGGAGCCCTGACCAACCTATATCAACAAAGACAGGCGGCAAGATCCAGCGGGG 2485

RESULT 5

US-10-029-386-12070
; Sequence 12070, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GI
; FILE REFERENCE: ABOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 12070
; LENGTH: 595
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR9.3
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.5
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.49
; OTHER INFORMATION: SWISSPROT HIT: P09172, EVALUE 4.00e-43
; OTHER INFORMATION: NT HIT: X13257.1, EVALUE 0.00e+00
; OTHER INFORMATION: EST_HUMAN HIT: BE382676.1, EVALUE 0.00e+00
US-10-029-386-12070

Query Match 12.1%; Score 328.4; DB 12; Length 595;
Best Local Similarity 99.7%; Pred. No. 3.2e-79;
Matches 329; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TCAGTCGCTGGGCGAGCCTGCCCGGCCCGCAGCATGCGGAGGAGCAGCCTTCAATGACAGCA 60
DB 178 TCAGTCGCTGGGCGAGCCTGCCCGGCCCGCAGCATGCGGAGGAGCAGCCTTCAATGACAGCA 237

QY 61 CAGCAGTGGCCATCTTCCTGGTGCATCTGTTGGCCGACATGACGGGCTGGCTCCCGGTG 120
DB 238 CAGCAGTGGCCATCTTCCTGGTGCATCTGTTGGCCGACATGACGGGCTGGCTCCCGGTG 297

QY 121 AGAGCCCCCTCCCTATCATATCCCCCTGGACCCGGAGGGTCCCTGGAGCTCTCATGGA 180
DB 298 AGAGCCCCCTCCCTATCATATCCCCCTGGACCCGGAGGGTCCCTGGAGCTCTCATGGA 357

QY 181 ATGTCAAGCTACACCCAGGAGGCGCATCCATTTCCAGCTCTCTGTTGCGGAGGCTCAAGGCTG 240
DB 358 ATGTCAAGCTACACCCAGGAGGCGCATCCATTTCCAGCTCTCTGTTGCGGAGGCTCAAGGCTG 417

QY 241 GCGTCTCTGTTGGGATGTCGACCGGTGGAGCTTGAGACCGAGATCTCGTGGTCTCT 300

Db 418 GCGTCTGTTGGATGTCGACCGTGGCGAGCTTGAGAACGACGATCTCGTGTGCTCT 477

Qy 301 GGACGATGGGACACATGCTCTATTTTGGG 330

Db 478 GGACCGCTGGGACACATGCTCTATTTTGGG 507

RESULT 6

US-10-029-386-25770

Sequence 25770, Application US/10029386

Publication No. US20030194704A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G

FILE REFERENCE: AEOMICA-X-2

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 5.1

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.2

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.5

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.1

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.49

OTHER INFORMATION: NT HIT: X13257.1, EVALUE 0.00e+00

OTHER INFORMATION: SWISSPROT HIT: P09172, EVALUE 3.00e-40

OTHER INFORMATION: EST_HUMAN HIT: BE382676.1, EVALUE 0.00e+00

US-10-029-386-25770

Query Match 10.3%; Score 279.4; DB 12; Length 287;

Best Local Similarity 99.6%; Pred. No. 6e-66; Indels 0; Gaps 0;

Matches 280; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 50 CATGTACAGCACAGCAGTGGCCATCTTCCTGGTTCATCTGCTGGCCGCACTGCGAGGCTC 109

Db 1 CATGTACAGCACAGCAGTGGCCATCTTCCTGGTTCATCTGCTGGCCGCACTGCGAGGCTC 60

Qy 110 GGCTCCCGTGAGAGCCCTCCCTATCATCTCCCTGATCCCTGACCCCGAGGGGTCCCTGGA 169

Db 61 GGCTCCCGTGAGAGCCCTCCCTATCATCTCCCTGATCCCTGACCCCGAGGGGTCCCTGGA 120

Qy 170 GCTCTCATGGAATGTCAGCTACACCCAGGAGGCCATCTTCAGCTCTGCTGGCGGAG 229

Db 121 GCTCTCATGGAATGTCAGCTACACCCAGGAGGCCATCTTCAGCTCTGCTGGCGGAG 180

Qy 230 GCTCAAGGCTGGCTCTGTTGGATGTCGACCGTGGGAGCTTGAGAACGACGATCT 289

Db 181 GCTCAAGGCTGGCTCTGTTGGATGTCGACCGTGGGAGCTTGAGAACGACGATCT 240

Qy 290 CGTGGTCTCTGGACCGATGGGACATGCTCTATTTTGGG 330

Db 241 CGTGGTCTCTGGACCGTGGGACATGCTCTATTTTGGG 281

RESULT 7

US-10-029-386-10900/c

Sequence 10900, Application US/10029386

Publication No. US20030194704A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G

; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO

; FILE REFERENCE: AEOMICA-X-2

; CURRENT APPLICATION NUMBER: US/10/029,386

; CURRENT FILING DATE: 2001-12-20

; NUMBER OF SEQ ID NOS: 34288

; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 10900

; LENGTH: 567

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: MAP TO AC000404.1

; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.63

; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1

; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2

; OTHER INFORMATION: NT HIT: X13259.1, EVALUE 0.00e+00

; OTHER INFORMATION: SWISSPROT HIT: P09172, EVALUE 1.00e-46

; OTHER INFORMATION: EST_HUMAN HIT: AL514764.1, EVALUE 0.00e+00

US-10-029-386-10900

Query Match 9.5%; Score 258.4; DB 12; Length 567;

Best Local Similarity 99.6%; Pred. No. 3.6e-60;

Matches 259; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 475 AAGACGGCACTGTCCACTTGGTCTACGGGATCTCTGGAGGAGCCGTTCCGGTCACTGGAGG 534

Db 541 AGGACGGCACTGTCCACTTGGTCTACGGGATCTCTGGAGGAGCCGTTCCGGTCACTGGAGG 482

Qy 535 CCATCAACGGCTCGGGCTCGAGATGGGGCTGCAGAGGGTGCAGCTCTCTAGAGCCCAATA 594

Db 481 CCATCAACGGCTCGGGCTCGAGATGGGGCTGCAGAGGGTGCAGCTCTCTAGAGCCCAATA 422

Qy 595 TCCCCGAACCGGAGTTGCCCTCTAGACCGCTGCACATGGAGGTCCTCAAGCTCCCAATATCC 654

Db 421 TCCCCGAACCGGAGTTGCCCTCTAGACCGCTGCACATGGAGGTCCTCAAGCTCCCAATATCC 362

Qy 655 AGATCCCCACCGAGGACCACTGCTGCTGCTACATTAAGGAGCTTCCAAAGGGCTTCT 714

Db 361 AGATCCCCACCGAGGACCACTGCTGCTGCTACATTAAGGAGCTTCCAAAGGGCTTCT 302

Qy 715 CTGGGACCACTATATCAAG 734

Db 301 CTGGGACCACTATATCAAG 282

RESULT 8

US-10-029-386-24603/c

Sequence 24603, Application US/10029386

Publication No. US20030194704A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G

FILE REFERENCE: AEOMICA-X-2

OTHER INFORMATION: EXPRESSION ANALYSIS TWO

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.63

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2

OTHER INFORMATION: SWISSPROT HIT: P09172, EVALUE 9.00e-47

OTHER INFORMATION: NT HIT: X13256.1, EVALUE 0.00e+00

OTHER INFORMATION: EST_HUMAN HIT: AL514764.1, EVALUE 0.00e+00

US-10-029-386-24603

Query Match 9.5%; Score 258.4; DB 12; Length 567;

Best Local Similarity 99.6%; Pred. No. 3.6e-60;

Matches 259; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 475 AAGACGGCACTGTCCACTTGGTCTACGGGATCTCTGGAGGAGCCGTTCCGGTCACTGGAGG 534

Db 541 AGGACGGCACTGTCCACTTGGTCTACGGGATCTCTGGAGGAGCCGTTCCGGTCACTGGAGG 482

Qy 535 CCATCAACGGCTCGGGCTCGAGATGGGGCTGCAGAGGGTGCAGCTCTCTAGAGCCCAATA 594

Db 481 CCATCAACGGCTCGGGCTCGAGATGGGGCTGCAGAGGGTGCAGCTCTCTAGAGCCCAATA 422

Qy 595 TCCCCGAACCGGAGTTGCCCTCTAGACCGCTGCACATGGAGGTCCTCAAGCTCCCAATATCC 654

Db 421 TCCCCGAACCGGAGTTGCCCTCTAGACCGCTGCACATGGAGGTCCTCAAGCTCCCAATATCC 362

Qy 655 AGATCCCCACCGAGGACCACTGCTGCTGCTACATTAAGGAGCTTCCAAAGGGCTTCT 714

Db 361 AGATCCCCACCGAGGACCACTGCTGCTGCTACATTAAGGAGCTTCCAAAGGGCTTCT 302

Qy 715 CTGGGACCACTATATCAAG 734

Db 301 CTGGGACCACTATATCAAG 282


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Query Match          9.5%; Score 258; DB 12; Length 258;
Best Local Similarity 100.0%; Pred. No. 3.9e-60;
Matches 258; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 477 GACGGCACTGTCACCTTGGTCTACGGGATCTCGGAGGAGCGTTCCGGTCACTGGAGGCC 536
DB 258 GACGGCACTGTCACCTTGGTCTACGGGATCTCGGAGGAGCGTTCCGGTCACTGGAGGCC 199
QY 537 ATCAACGGCTCGGGCCCTGCAGATGGGCTGCAGAGGGTGAGCTCTCGAAGCCCAATATC 596
DB 198 ATCAACGGCTCGGGCCCTGCAGATGGGCTGCAGAGGGTGAGCTCTCGAAGCCCAATATC 139
QY 597 CCGGAACCGGAGTTGCCCTCAGACGGCTGCACCATGAGTCCAAAGCTCCCAATATC 656
DB 138 CCGGAACCGGAGTTGCCCTCAGACGGCTGCACCATGAGTCCAAAGCTCCCAATATC 79
QY 657 ATCCCCAGCCAGGAGACCACTACTGTGCTACATTAAGGAGCTTCCAAAGGCTTCTCT 716
DB 78 ATCCCCAGCCAGGAGACCACTACTGTGCTACATTAAGGAGCTTCCAAAGGCTTCTCT 19
QY 717 CGGCACCACTTATCAAG 734
DB 18 CGGCACCACTTATCAAG 1

RESULT 9
US-10-311-455-2270/c
; Sequence 2270, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; PRIOR FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 2270
; LENGTH: 2037
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-2270

Query Match          7.1%; Score 193; DB 12; Length 2037;
Best Local Similarity 74.2%; Pred. No. 3.1e-42;
Matches 244; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

QY 1 TCAGTCGCTGGCCAGCGCTGCCGCCAGCATGCGGGAGGAGCGCTTCAATGATACAGCA 60
DB 338 TCAATCGCTAAACAACCTTACCAGCCCAACATACGAAAAACAACCTTCAATACAA 279
QY 61 CAGAGTGGCCATCTTCTGCTGTCATCTGCTGGCGCAGCTGCAGGCTCGGCTCCCGTG 120
DB 278 CAACAATAACCATCTTCTTCAATCATCTTAATACCGCACTACAACTCGACTCCCGGTA 219
QY 121 AGAGCCCTCCCTATCATCTCCCTGCAGACCGGAGGGTCCCTGGAGCTCTCATGGA 180
DB 218 AAAACCCCTCCCTATCATCTCCCTTAAACCGGAGGGTCCCTGGAGCTCTCATGGA 159
QY 181 ATGTAGCTACACCCAGGAGCGCATCTTTCAGCTCTGTCGGGAGGCTCAAGGCTG 240
DB 158 ATATCAACTACACCCAAAAACCATCTTTCAGCTCTGTCGGGAGGCTCAAGGCTG 99
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QY 241 GCCTCTCTGTTTGGATGTCGACCGTGGCGAGCTTGAGAACGAGATCTCGTGGTCTCT 300
DB 98 ACGTCTCTTATTAATAATATCGACCGTAACGAACTTAAAAACGCAATCTCGTAATACTCT 39
QY 301 GGACCGATGGGACACTGCTCTATTTTGGC 329
DB 38 AAACCGATAAAACACTACCTATTTTACG 10

RESULT 10
US-10-311-455-2269
; Sequence 2269, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining Cytosine Methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; PRIOR FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 2269
; LENGTH: 2037
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-2269

Query Match          6.6%; Score 179.6; DB 12; Length 2037;
Best Local Similarity 71.5%; Pred. No. 1.4e-38;
Matches 236; Conservative 0; Mismatches 94; Indels 0; Gaps 0;

QY 1 TCAGTCGCTGGCCAGCGCTGCCGCCAGCATGCGGGAGGAGCGCTTCAATGATACAGCA 60
DB 1700 TTAGTCGTTGGTGTAGTTTGTTCGGTTTAGTATGCGGAGGTAGTTTTATGTATAGTA 1759
QY 61 CAGAGTGGCCATCTTCTGCTGTCATCTGCTGGCGCAGCTGCAGGCTCGGCTCCCGTG 120
DB 1760 TAGTAGTGGTTATTTTGTGTTATTTTGTGTCGTATTTAGGTTTCGGTTTCGTG 1819
QY 121 AGAGCCCTCCCTATCATCTCCCTGCAGACCGGAGGGTCCCTGGAGCTCTCATGGA 180
DB 1820 AGAGTTTCTTTTATTTATTTTTCGGATTCGAGGGGTTTTCGAGTTTATGGA 1879
QY 181 ATGTAGCTACACCCAGGAGCGCATCTTTCAGCTCTGTCGGGAGGCTCAAGGCTG 240
DB 1880 ATGTAGTTATATTTTAGGAGTTATTTATTTTGTGTTTGTGCGGAGTTTAAAGTTG 1939
QY 241 GCCTCTCTGTTTGGATGTCGACCGTGGCGAGCTTGAGAACGAGATCTCGTGGTCTCT 300
DB 1940 GCCTTTGTTGGATGTTTCGATCGTGGCGAGTTTGAGAACGTAGATTTTCGTGGTGT 1999
QY 301 GGACCGATGGGACACTGCTCTATTTTGGC 330
DB 2000 GGATCGATGGGATATTTGTTATTTTTCGG 2029

RESULT 11
US-10-027-632-125683
; Sequence 125683, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
```



```
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 125683
; LENGTH: 739
; TYPE: DNA
; ORGANISM: Human
; ORGANISM: Human
US-10-027-632-125683

Query Match          5.5%; Score 150.4; DB 12; Length 739;
Best Local Similarity 96.2%; Pred. No. 9.7e-31;
Matches 154; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1173 ACCAGTGGCAGTCTCCCTCCGGGATCCACATCTTCGCTCTCAGCTCCACACAC 1232
Db 464 ACCCCACAGGCACTGCCTCCCTCCGGGATCCACATCTTCGCTCTCAGCTCCACACAC 523

Qy 1233 CTGACTGGGAGAAAGGTGGTCCAGTCTCGTCCGGACCGCCGGAGTGGGAGATCGTG 1292
Db 524 CTGACTGGGAGAAAGGTGGTCCAGTCTCGTCCGGACCGCCGGAGTGGGAGATCGTG 583

Qy 1293 AACGAGGACAATCACTACAGCCCTCACTTCCAGGAGATCC 1332
Db 584 AACGAGGACAATCACTACAGCCCTCACTTCCAGGTAACC 623

RESULT 12
US-10-027-632-125683
; Sequence 125683, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 125683
; LENGTH: 739
; TYPE: DNA
; ORGANISM: Human
; ORGANISM: Human
US-10-027-632-125683

Query Match          5.5%; Score 150.4; DB 12; Length 739;
Best Local Similarity 96.2%; Pred. No. 9.7e-31;
Matches 154; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1173 ACCAGTGGCAGTCTCCCTCCGGGATCCACATCTTCGCTCTCAGCTCCACACAC 1232
Db 464 ACCCCACAGGCACTGCCTCCCTCCGGGATCCACATCTTCGCTCTCAGCTCCACACAC 523

Qy 1233 CTGACTGGGAGAAAGGTGGTCCAGTCTCGTCCGGACCGCCGGAGTGGGAGATCGTG 1292
Db 524 CTGACTGGGAGAAAGGTGGTCCAGTCTCGTCCGGACCGCCGGAGTGGGAGATCGTG 583

Qy 1293 AACGAGGACAATCACTACAGCCCTCACTTCCAGGAGATCC 1332
Db 584 AACGAGGACAATCACTACAGCCCTCACTTCCAGGTAACC 623

RESULT 13
US-10-137-870-189
; Sequence 189, Application US/10137870
; Publication No. US20030138883A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C155
; CURRENT APPLICATION NUMBER: US/10/137,870
; CURRENT FILING DATE: 2002-05-03
; PRIOR APPLICATION REMOVED - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
; ORGANISM: Homo Sapien
US-10-137-870-189

Query Match          5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

Qy 187 GCTACACCCAGGAGGCCATTCATTTCCAGTCTCTGGTGGCGAGCTTCAAGGCTGGCGTCC 246
Db 119 GCTGGAGCCAGCGGGGCGAGCAGATCGCTTCCGCTCCAGGTGCGCACTGCAGGCTACG 178

Qy 247 TG---TTTGGGATGTCGGACCGTGGCGAGCTTGAGAACGACGATCTCGTGTCTCTGGA 303
Db 179 TGGGCTTCGGCTTCTCGCCACACCGGGGCCATGCGCTCCGCGACATCGTCTGGCGGGG 238

Qy 304 CCGATGGGACACTGCTCTATTTTGGCGACGCTTGGAGTGACCAAGAGGGGCGATCCACC 363
Db 239 TGGCCACCGGGCGGCGCTACCTCCAGGATATTATTACAATGCAATAGAGAGTTGAAA 298

Qy 364 TGGATCCCCAGCAGGAGTACCTACAGTCTCTGAGGTGCGAGGAGCCCGAAGGCGCTGACC 423
Db 364 TGGATCCCCAGCAGGAGTACCTACAGTCTCTGAGGTGCGAGGAGCCCGAAGGCGCTGACC 423
```

```
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 125683
; LENGTH: 739
; TYPE: DNA
; ORGANISM: Human
; ORGANISM: Human
US-10-027-632-125683

Query Match          5.5%; Score 150.4; DB 13; Length 739;
Best Local Similarity 96.2%; Pred. No. 9.7e-31;
Matches 154; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1173 ACCAGTGGCAGTCTCCCTCCGGGATCCACATCTTCGCTCTCAGCTCCACACAC 1232
Db 464 ACCCCACAGGCACTGCCTCCCTCCGGGATCCACATCTTCGCTCTCAGCTCCACACAC 523

Qy 1233 CTGACTGGGAGAAAGGTGGTCCAGTCTCGTCCGGACCGCCGGAGTGGGAGATCGTG 1292
Db 524 CTGACTGGGAGAAAGGTGGTCCAGTCTCGTCCGGACCGCCGGAGTGGGAGATCGTG 583

Qy 1293 AACGAGGACAATCACTACAGCCCTCACTTCCAGGAGATCC 1332
Db 584 AACGAGGACAATCACTACAGCCCTCACTTCCAGGTAACC 623

RESULT 13
US-10-137-870-189
; Sequence 189, Application US/10137870
; Publication No. US20030138883A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C155
; CURRENT APPLICATION NUMBER: US/10/137,870
; CURRENT FILING DATE: 2002-05-03
; PRIOR APPLICATION REMOVED - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
; ORGANISM: Homo Sapien
US-10-137-870-189

Query Match          5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

Qy 187 GCTACACCCAGGAGGCCATTCATTTCCAGTCTCTGGTGGCGAGCTTCAAGGCTGGCGTCC 246
Db 119 GCTGGAGCCAGCGGGGCGAGCAGATCGCTTCCGCTCCAGGTGCGCACTGCAGGCTACG 178

Qy 247 TG---TTTGGGATGTCGGACCGTGGCGAGCTTGAGAACGACGATCTCGTGTCTCTGGA 303
Db 179 TGGGCTTCGGCTTCTCGCCACACCGGGGCCATGCGCTCCGCGACATCGTCTGGCGGGG 238

Qy 304 CCGATGGGACACTGCTCTATTTTGGCGACGCTTGGAGTGACCAAGAGGGGCGATCCACC 363
Db 239 TGGCCACCGGGCGGCGCTACCTCCAGGATATTATTACAATGCAATAGAGAGTTGAAA 298

Qy 364 TGGATCCCCAGCAGGAGTACCTACAGTCTCTGAGGTGCGAGGAGCCCGAAGGCGCTGACC 423
Db 364 TGGATCCCCAGCAGGAGTACCTACAGTCTCTGAGGTGCGAGGAGCCCGAAGGCGCTGACC 423
```

Db 299 AAGATGCTCAGCAAGATTACCATCTAGAATATGCCATGGAATAGCACACACAATAA 358
 QY 424 TGCTTTTCAGAGGCGCTTTGGCACCTGCGACCCCAAGGATTACCTCATTTGAAGCGCA 483
 Db 359 TTGAATTTACAGAGAGCTGCATACATGTGACATAAATGACAAGAGTATACGGATAGCA 418
 QY 484 CTGTCCACCTTGTCTACGGGATCCTGGAGAGCGGTTCCGGTCACTGGAGGCCATCAAG 543
 Db 419 CTGTGAGAGTGATCTGGGCTACCCATGAGATGAGAGGAACTGTCTCCAAAGTACC 478
 QY 544 GCTCGGGCTGCAGATGGGGTGCAGAGGTCAGCTCCTGAAGCCCAATATCCCCGAAC 603
 Db 479 ---ATGACTCCAATAGGGGCAACAGAGTTTGGGTTATTGAATCCTGAGAAAC---TA 532
 QY 604 CGAGGTTCGCTCAGACGGTGCACCATGAGGTCCTCAAGGGCTTCTCTCGGCACC 723
 Db 533 GTGTGCTATCTACAGCCTTACCATCTTGTGATCTGGTAAATCAGGACGTCCCATCCAA 592
 QY 664 GCCAGAGACCACTACTGTGCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
 Db 593 ACAAGATACACATATTGGTCCAAATGTTTAAGATTCCTGTGTTCAAGAAAGCATC 652
 QY 724 ACATATCAAGTACAGGCCCATCTGTCACCAAGGCAATGAGGCCCTGTGCACACATGG 783
 Db 653 ATGTAATAAGTTGAGCGAGTACAGAGGCTTACGACAGCGTCTGAGTCCGGCACAGTGCT 772
 QY 841 ACTCCAAATGAAACCCAGCCCTCAACTACTGCGGCCAGTGTCTGCCGCCCTGGGCC 900
 Db 773 ATCAACCCCAATGCCCGATCATCTCTCACTGTGAAACTGTGATTTTGGCTGGGCTA 832
 QY 901 TGGGTGCCAAGCATTTTACTACCCAGAGGAGCGGCTTGCTTGGGGGTCAGGCT 960
 Db 833 TTGGTGGAGAGGCTTTCTTATCACTCATGTTGATATCTCTTGGCAGCTCCATTAG 892
 QY 961 CCTCAGATATCTCGGCTGGAAGTTCACTACCAACACCCAGCTGTGATAGAAGGCGAA 1020
 Db 893 ATCCGCATTATGTCTCTAGAGTCCATTATGATATATCCACTTATGAGAGGCTTAA 952
 QY 1021 ACAGCTCTCAGGATCGCTGTGACTACACAGCAAGCTGGGGCGCTTCAAGCGGGGA 1080
 Db 953 TAGATAATCTGAGCTGAGGTTATTTACACAATGGATATAAGGAAATATGATGTGGGG 1012
 QY 1081 TCATGAGAGCTGGGACTGGTGTACAGCGCAGTGATGGCCATTCCACAGGGAGACCGCT 1140
 Db 1013 TGATTGAGGCTGGCTCTGGGTGAGCCTCTTCCATACCATCCCTCCAGGATGCTGAGT 1072
 QY 1141 TCATCCTCACTGGGTACTCAGCGGACAAAGTGCAACCCAGCTGGCACTG-----CCTC 1191
 Db 1073 TCCAGTCTGAGGCTCACTGACATTTTGGAGTGCCTGGAAGAGGCTCTGGAAGCGGAAAGC 1132
 QY 1192 CCTCGGGATCCACATCTTCGCTCTCAGCTCCACACACAGCTGCTGGGAGAAAGTGG 1251
 Db 1133 CAAGTGAATTCATGTGTTTCTGTTCTTCCATGCTCCTCAGCTGGTGGCAGGCACTA 1192
 QY 1252 TCAGAGTGTGCTCGGGAGCGCGGAGTGGAGATCGTGAACAGGACAAATCACTACA 1311
 Db 1193 GGCTGCTCATTTTCGAAAGGGAAGAAATGAATTAATCTGCTATGATGATTTG 1252
 QY 1312 GCCTCACTTCCAGGAGATCCGATGTTGAGAGAGGTCTGTGCTGCTCCATCCGGAGATG 1371
 Db 1253 ACTTCAATTTCCAGGAGTTTCACTGATCTAAAGGAAGAAACAAATCTTTACAGGAGATA 1312
 QY 1372 TGCTATCACTCTGCAGCTACAAACACGGAAGACCGGGAGCTGGCCACAGTGGGGGCT 1431
 Db 1313 ACCTAATTAAGTGTGCTACAAACACGGAAGATAGAGCTGAGATGATCTTTGGGAGGAC 1372
 QY 1432 TCGGGATCTGGAGGAGATGTGTCAACTAGTGCATCTACCTACCTACCT 1477
 Db 1373 TAAGCACAGGAGTGAATGTGTCTCTCATACCTCTTTTATTACCC 1418

RESULT 14

US-10-140-018-189
 ; Sequence 189, Application US/10140018
 ; Publication No. US2003013885A1
 ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Fliviaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3330RIC158
 ; CURRENT APPLICATION NUMBER: US/10/140,018
 ; Prior Application removed - 2002-05-06
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 189
 ; LENGTH: 2150

; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-140-018-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
 Best Local Similarity 47.3%; Pred. No. 1.2e-29;
 Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

QY 187 GCTACACCCAGAGAGCCATCCATTTCCAGGCTCTCTGGTGGGAGGCTCAAGCGTGGCGTCC 246
 Db 119 GCTGAGCGACGCGGGGAGCCAGATCGCTTCCGCTCCAGGTGCGCAGCTGCGAGGTACG 178
 QY 247 TG----TTTGGATGTCCGACCGTGGCGAGCTTGAGAACGAGATCTCGTGGTGTCTTGG 303
 Db 179 TGGGCTTGGGCTTCTCGCCACCGGGGCCATGGCGTCCGCCGACATCGTCTGGGGGG 238
 QY 304 CCGATGGGACACTGCTTATTTTGGGACCGCTGGAGTGACAGAGGGGCGAGATCCACC 363
 Db 239 TGGCCACGCGGGCGCTTACTCTCAGGATTTATTTTACAAATGCAAAATAGAGAGTTGAAA 298
 QY 364 TGGATCCCCAGAGGACTACAGCTGTGCGAGGTGCGAGAGACCCAGAGAGGCTGACCC 423
 Db 299 AAGATGCTCAGCAAGATTACCATCTAGATATGCCATGGAATAGCAACACACATAA 358
 QY 424 TGCTTTTCAAGAGCGCTTTGGCACCTTGGCACCTGCGACCCCAAGGATTTACCTCATTTGAAGCGGA 483
 Db 359 TTGAATTTCCAGAGAGCTGCATACATGTGACATNAATGCAAGAGTATATAACGGATAGCA 418
 QY 484 CTGTCCACTTTGGTCTAGGGGATCCTTGGAGGAGCGGTTCCGGTCACTGGAGGCGCATCAAG 543
 Db 419 CTGTGAGATGATCTGGGCTTACCCATGAGATGCGAGAGAGCTGTGTCCAAAGTACC 478
 QY 544 GCTCGGGCTGCAGATGGGGTGCAGAGGTGAGCTCTGAAGCCCAATATCCCCGAAC 603
 Db 479 ---ATGACTCCAATAGGGGCAACAGAGTTTGGGTTATTGAATCCTGAGAAAC---TA 532
 QY 604 CGAGGTTCGCTCAGACGGTGCACCATGAGGTCCTCAAGCTCCCAATATCCAGATCCCCA 663
 Db 533 GTGTGCTATCTACAGCCTTACCATCTTTGATCTGTTAAATCAGGACGTTCCCTCCCA 592

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Qy 664 GCCAGGAGACACGCTACTGTGCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db 593 ACAAAAGATACAAATATTTGGTCCAAATGTTTAAAGATTCTGTGTTCCAAAGAAAGCATC 652
Qy 724 ACATTATCAAGTACGAGCCCATCGTCACCAAGGCAATGAGCCCTTGTCCACACATGG 783
Db 653 ATGTAATAAGGTTGAGCCAGTGATACAGAGGCCATGAGAGTCTGTGTCCACACATCC 712
Qy 784 AAGTCTTCCAGTGGCCCCCGA---GATGGACAGCGTCCCCCACTTCAGCGGGCCCTGGG 840
Db 713 TGCTCTATCAGTCAGCAACAACATTTAACGACAGGTTCTGGAAGTCCGGCCACAGATGCT 772
Qy 841 ACTCAAGATGAACCGACCGCTCAACTACTGCGCCAGCTGTGCGCCCTCGGGCCC 900
Db 773 ATCACCCCAACATGCCCGATGCTTCTCACTGTGAAACTGTGATTTTGGCTGGGGCTA 832
Qy 901 TGGGTGCAAGGCATTTTACTACCAGAGGAGCGGCTTGGCTTGGGGGTCACAGGT 960
Db 833 TTGGTGAGAGGGCTTTCTTATCCACTGATTTGGATTATCCCTTGGCACTCCATTAG 892
Qy 961 CCTCCAGATATCTCCGCTGGAAGTTCACTACCAACAACCCCACTGGTGATAGAAGCGAA 1020
Db 893 ATCCGCATTATGCTCTCTAGAGTCCATATGATATATCCCACTATGAGGAAGGCTTAA 952
Qy 1021 ACAGACTCTCAGGCATCGCTTGTACTACAGACCAAGCTGCGGCGCTTCAACCGGGGA 1080
Db 953 TAGATAATCTCGACTGAGGTTATTTTACACAATGGATATAAGGAATATGATGCTGGG 1012
Qy 1081 TCATGGAGCTGGGACTGGTGACAGCCAGTGATGGCCATTCACACAGGAGACCGCT 1140
Db 1013 TGATTGAGGCTGGGCTCTGGGTGAGCCTCTTCCATACCATCCCTCCAGGGATGCTGAGT 1072
Qy 1141 TCATCCTCACTGGCTACTGCACGAGCAAGTGCAACCCAGCTGGCACTG-----CCTC 1191
Db 1073 TCCAGTCTGAGGGTCACTGCACTTTGGAGTGCCTGGAGAGGCTCTGGAAGCCGAAAGC 1132
Qy 1192 CCTCCGGATCCACATCTTGGCCTCTCAGTCTCCACACACACCTGACTGGGAGAAAGTGG 1251
Db 1133 CAAGTGAATTCATGTGTGTGCTGTTCTCTTCCATGCTCACTGGCTGGCAGAGGCATCA 1192
Qy 1252 TCACAGTGTGCTGGTCCGGGACGGCGGAGTGGGAGATCGTGAACACAGACATCACTACA 1311
Db 1193 GGCTGCTCATTTTCGAAAAGGGAAGGAATGAATAATTACTTGCCTATGATGATTTTG 1252
Qy 1312 GCCCTCACTTCCAGGATCGCATGTTGAAGAAGTCTGTGCGGTCCATCCGGAGATG 1371
Db 1253 ACTTCATTTCCAGAGTTTCAGTATCTAAAGGAAGAACAAACAATCTTACCAGAGATA 1312
Qy 1372 TGCTCATCACTCTCTGCACGTACAAACACGGAAGACCGGAGCTGGCCACAGTGGGGGGCT 1431
Db 1313 ACCTAATTACTGAGTGTGCTTACAAACACGAAAGATAGAGCTGAGATGACTTTGGGGAGGAC 1372
Qy 1432 TCGGGATCCTGGAGGAGATGTGTCACTACGTACGTGCACTACTACC 1477
Db 1373 TAAGCACAGAGTGAATGTGCTCTCATACCTTTCTTATTATACC 1418
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RESULT 15

US-10-140-021-189

; Sequence 189, Application US/10140021

; Publication No. US2003013886A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Deenoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

```
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C167
; CURRENT APPLICATION NUMBER: US/10/140,021
; CURRENT PILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-021-189
```

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

```
Qy 187 GCTACACCCAGGAGGCGCATTCATTTCCAGCTCTCTGTGCGGAGGCTCAAGGCTCGGCTCC 246
Db 119 GCTGGAGCCAGCGGGCAGCAGATCGCTTCCGCTCCAGGTCGCACTCGAGGCTACG 178
Qy 247 TG---TTTGGATGTCGACCGTGGCGAGCTTGAGACGCGAGATCTCGTGTGCTCTGGA 303
Db 179 TGGGCTTTCGGCTTCTCGCCACCGGGGCCATGGCGTCCGCGACATCGTGTGGGCGGG 238
Qy 304 CCATGGGGACACTGCGCTATTTTGGCGACGCTTGGAGTGACCAAGAGGGGCGAGATCCACC 363
Db 239 TGCCCAACGGCGGCTCTACTCCAGGATTTATTACAATGCAAAATAGAGAGTTGAAA 298
Qy 364 TGGATCCCCAGCAGGACTACAGCTGTGCGAGTGCAGAGAGCCCCAGAGGCTTGACCC 423
Db 299 AAGATGCTCAGCAAGATTACCATCTAGAAATATGCATGGAAATATGACACACACAATAA 358
Qy 424 TGCTTTTCAAGAGGCCCTTTGGCACCTTGGCACCTCGACCCAGGATTTACCTATTGAAAGCGCA 483
Db 359 TTGAATTTTACAGAGAGCTGCATACATGTGACATAAATGCAAGAGTATAACGGATAGCA 418
Qy 484 CTGTCCACTTGGTCTACGGGATCTGGAGGAGCGGTTCCGCTCACTGGAGGCCATCAACG 543
Db 419 CTGTGAGAGTGATCTGGGCTTACCACTGAAGATGCAGAGAGGCTGGTCCCAGTACC 478
Qy 544 GCTCGGCGCTGCAGATGGGCTGCAGAGGCTGCAGCTCTTGAAGCCCAATATCCCCGAAC 603
Db 479 ---ATGACTCCAATAGGGCACAAGAGTTTGGGTTTATTTGAATCTCTGAGAAAAC---TA 532
Qy 604 CGGAGTTGCCCTCAGACCGCTGCACCATGGAGGTCCAGGCTCCCAATATCCAGATCCCCA 663
Db 533 GTGTGCTATCTACAGGCTTACCATCTTGTATCTGGTAAATCAGGAGCTCCCCATCCAA 592
Qy 664 GCAGGAGACACGCTACTGTGTGTACATTAAGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db 593 ACAAGATACAATATTTGGTGCAATGTTTAAGATTCTGTGTTTCCAGAAAAGCATC 652
Qy 724 ACATTATCAAGTACGAGCCCATCGTCACCAAGGGCAATGAGGCCCTTGTGCCACCATGG 783
Db 653 ATGTAATAAAGTTGAGCCAGTGATACAGAGAGGCCATGAGAGTCTGTGTCACCATCC 712
Qy 784 AAGTCTTCAGTGGCCCCCGA---GATGGACAGGCTCCCGGCTCCAGTGGGGCCCTGGG 840
Db 713 TGCTCTATCAGTCAGCAACAACACTTTAAACGACAGCGTTCTGGAGTCCGGCCACAGTGT 772
Qy 841 ACTCCAAGATGAACCGGCGCTCAACTACTTCCGCGCCACGCTGCTGGGCGCTGGGCCCC 900
Db 773 ATCACCCCAACATGCCCGATGCTTCTCACTGTGAAACTGTGATTTTGGCTTGGGCTA 832
Qy 901 TGGGTGCGAAGGCATTTTACTACCCAGAGGAAGCGGCTTGGCTTGGGGGTCACAGGT 960
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833 TTGGTGGAGAGGGCTTTCTTATCCACCTCATGTTGGATTATCCCTTGGCACTCCATTAG 892
 QY 961 CCTCAGAGATATCCCGCTCGGAAGTTCTACTACCAACCCACTGTGTGATAGAAGACGAA 1020
 Db 893 ATCCGCAATTATGTCTCTAGAAAGTCCATTATGATAATCCCACTTTATGAGGAAGGCTTAA 952
 QY 1021 ACGACTCTCAGGCATCCGCTTGTTACTACACAGCCCAAGCTGGCGCTTCAACGCGGGA 1080
 Db 953 TAGATAAATCTCGACTAGGTTATTTTACACATGATATAGGAATATGATCTGGGG 1012
 QY 1081 TCATGGAGCTGGGACTGTGTATACAGCCAGTATGGCCATTCCACACGAGGAGCCGCT 1140
 Db 1013 TGATTTGAGGCTGGCTCTGGGTGAGCTCTTCCATACCATCCCTCCAGGGATGCTTGA 1072
 QY 1141 TCATCCTCACTGGCTACTGCGAGCAGCAAGTGCACCCAGCTGGCACTG-----CCTC 1191
 Db 1073 TCCAGTCTGAGGCTCACTGCACTTTGGAGTGCTTGGAAAGGCTCTGGAAAGCCGAAAGC 1132
 QY 1192 CCTCGGATCCACATCTTCGCTCTCAGCTCCACACACACTGACTGGGAGAAAGTGG 1251
 Db 1133 CAAGTGAATTCATGTGTTGCTTCTTCTCCATGCTCACTGCTGGCAGAGGATCA 1192
 QY 1252 TCACAGTCTGGTCCGGACGCGGAGTGGGAGATCGTGAAACAGACAAATCACTACA 1311
 Db 1193 GGCTGCGTCATTTTGGAAAGGGAAGGAAATGAAATTTACTTGCCTATCATGATGATTTG 1252
 QY 1312 GCCCTCACTCCAGGAGATCCGCATGTTTGAAGAAGTCTGTGCTGCTCCATCCGGAGATG 1371
 Db 1253 ACTTCAATTTCCAGGAGTTTCAGTATCTAAAGGAAGAACAAATCTTACCAGGAGATA 1312
 QY 1372 TGCTCATCACTCTGCAAGTACAAACGGAAGACCGGAGCTGGCCACAGTGGGGGGCT 1431
 Db 1313 ACCTAAATTTACTGAGTGTGCTTACAAACAGAAAGATAGAGCTGAGATGACTTGGGGAGGAC 1372
 QY 1432 TCGGATCTCGAGAGATGTTGCTCACTACGCTGCTACTACGCTACTACCC 1477
 Db 1373 TAAGACACAGAGTGAATGTCTCTCATACCTCTTTTATTACCC 1418

RESULT 16

US-10-140-274-189
 ; Sequence 189, Application US/10140274
 ; Publication No. US20030143674A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: DeForge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE OF INVENTION: ACIDS ENCODING THE SAME
 ; FILE REFERENCE: F330R1C161
 ; CURRENT APPLICATION NUMBER: US/10/140, 274
 ; CURRENT FILING DATE: 2002-05-06
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 189
 ; LENGTH: 2150
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-140-274-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
 Best Local Similarity 47.3%; Pred. No. 1.2e-29;
 Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;
 187 GCTACACCCAGGAGGCGATCTTCCAGCTCTCTGGTGGGAGGCTCAAGGCTGGCGTCC 246
 Db 119 GCTGGAGCCAGCGGGCAGCCAGATCGCTTCCGCTCCAGGTGCGCATCTGAGGCTACG 178
 QY 247 TG---TTTGGGATGTCGACCGTGGCGAGCTTGAGAACCCAGATCTCGTGTGCTCTGA 303
 Db 179 TGGGCTTTCGGCTTCTCGCCACCGGGCCATGCGCTCCGCCGACATCTGCTGGGGGGG 238
 QY 304 CGATGGGACACTGCTTATTTTGGCGACGCTTGGAGTGACCCAGAGGGCGAGATCCACC 363
 Db 239 TGCCCCACGGGGGCGCTTACCTCCAGGATTAATTTTACAAATGCAATAGAGAGTTGAAA 298
 QY 364 TGGATCCCGAGGAGGACTACAGCTGCTCGAGGTGCGAGGACCCAGAGGCTTGACCC 423
 Db 299 AAGATGCTCAGCAAGATTACCATCTAGAAATATGCCATGGAAATAGCACACACAATAA 358
 QY 424 TGCTTTTCAAGAGGGCCCTTTGGCACCTGCGACCCCAAGGATTACCTCATTTGAAGACGCA 483
 Db 359 TTGAATTTACCAGAGAGCTGCATACATGTGACATAAATGACAAGAGTATAACGGATAGA 418
 QY 484 CTGTCCACTTGTCTACGGGATCTGGAGAGCCGTTCCGGTCACTGGAGGCGCATCAACG 543
 Db 419 CTGTGAGAGTGTATCTGGGCTTACCAACCATGAAGATGACAGGAGAAGCTGGTCCCAAGTACC 478
 QY 544 GCTCGGGCTGCAGATGGGGCTGCAGAGGGTGCAGCTCTGAAGCCCAATATCCCGGAC 603
 Db 479 ---ATGACTCCAATAGGGGACCAAGATTTCGGGTATTTGAATCTTGAGAAAC---TA 532
 QY 604 CGAGTTGCTTCAGACGGGTGCACCATGGAGGTCCAAAGCTCCCAATATCCAGATCCCA 663
 Db 533 GTGTGCTATACAGCTTACCATATCTGTAATCTGTAATACAGGACGCTCCCATCCCA 592
 QY 664 GCCAGGAGACCACTGCTGCTACATTAAGGAGCTTCCAAAGGCTTCTCTCGGAC 723
 Db 593 ACAAGATACAAATATTTGGTGCCAAATGTTTAAAGATTCTGTGTTCAGAAAGACATC 652
 QY 724 ACATTATCAAGTACAGAGCCCATCGTCACCAAGGGCAATGAGGCCCTTCTCCACACATGG 783
 Db 653 ATGTAATAAGGTTTGGAGCCAGTGATACAGAGGCGCATGAGAGTCTGTTGACCAATCC 712
 QY 784 AAGTCTTCCAGTGGCCCCCGA---GATGGAAGGCTCCCCCACTTACAGGGGCGCTGCG 840
 Db 713 TGCTCTATCAGTGCAGCAACAACTTTTAAAGAGCTTCTGTGTTCAGAAAGACATC 772
 QY 841 ACTCCAAGATGAACCCGACCGCTCAACTACTGCGCCACAGCTGCTGCGCGCTGGGCCC 900
 Db 773 ATCAACCCCAATGCGCCGATGCAATTCCTACCTGTGAATCTGTGATTTTTCCTGGGCTA 832
 QY 901 TGGGTGCCAAGGCAATTTTACTACCCAGAGGAAGCGGCTTTCCTTGGGGGGTCCAGGT 960
 Db 833 TTGGTGGAGAGGCTTTTCTTATCCACCTCATGTTGGATTATCTCTTGGCACTCCATTAG 892
 QY 961 CCTCCAGATATCTCGGCTGGAAGTTCTACACACACCCACTGCTGTGATAGAGGAGCA 1020
 Db 893 ATCCGATTATGTGCTCTAGAGTCCATATATGATAATCCCACTTATGAGGAAGGCTTAA 952
 QY 1021 ACGACTCTCAGGCAATCGCTTGTACTACACAGCAAGCTGCGGCGCTTCAACCGGGGA 1080
 Db 953 TAGATAAATCTGGACTGAGGTTATTTTACACATAGGATATAAGGAATATGATGCTGGG 1012
 QY 1081 TCATGGAGCTGGGACTGGGTGACAGCGAGTATGGCCATTTCACACCGGAGAGCCGCT 1140
 Db 1013 TGATTTGAGGCTGGCTCTGGGTGAGCTCTTCCATACCATCCCTCCAGGAGTGCCTGAT 1072
 QY 1141 TCATCCTCACTGGCTACTGCAAGGACAGGTGACCCAGCTGGCACTG-----CCTC 1191
 Db 1073 TCCAGTCTGAGGCTCACTGCACTTTGAGTGTGCTTGGAGAGGCTCTTGAAGACCGCAAAAGC 1132

QY 1192 CCTCGGATCCACATCTTCGCTCTAGCTCCACACACACTGACTGGGAGAAAGTGG 1251
Db 1133 CAAGTGGAAATCATGTGTTGCTGTTCTTCTCCATGCTCACCTGGCTGGCAGGCAATCA 1192
QY 1252 TCACAGTGTGCTCGGAGCGCGGAGTGGGAGATCGTGAACACGAGACAACTCACTACA 1311
Db 1193 GGCTGGCTCATTTTCGAAAGGAGGAATGAAATTAATCTTGGCTATGATGATTTG 1252
QY 1312 GCCCTCACTTCCAGGAGATCCGCATGTTGAAGAAAGTGGTGTGCTGCTCCATCCGGGAGATG 1371
Db 1253 ACTTCAATTTCCAGGAGTTTCAGTATCTAAAGGAAGAACAACTCTTACCAGAGATA 1312
QY 1372 TGCTCATCACTCTCGACGTACAAACGGAAGACGGGAGCTGGCCACAGTGGGGGCT 1431
Db 1313 ACCTAAATTAAGTGTGCTTACAAACGGAAGATAGAGCTGAGATGACTTTGGGGAGGAC 1372
QY 1432 TCGGGATCTCGGAGAGATGTGTCAACTACGTGCACTACTACC 1477
Db 1373 TAAGCAGGAGTGAATGTTCTCTCATACCTTCTTTATTATCCC 1418

RESULT 17

US-10-140-471-189
; Sequence 189, Application US/10140471
; Publication No. US20030138887A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DePorge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C163
; CURRENT APPLICATION NUMBER: US/10/140,471
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-471-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

QY 187 GCTACACCCAGGAGGCATCATTTCCAGCTCCTGTTGCGGAGGCTCAAGGCTGGCGTCC 246
Db 119 GCTGGAGCCAGCGGGCAGCAGATCGCTTCCGCTCCAGGTGGCGACTGCAGGCTACG 178
QY 247 TG---TTTGGAGTCCGACGGTGGCGAGCTTGGAACGAGATCTCGTGTGCTCTGGA 303
Db 179 TGGCTTCGGCTTCTCGCCACCGGGGCCATGGCGTCCCGCAGCATCGTGTGGGGGGG 238
QY 304 CCGATGGGACACTGCTCTATTTTGGGACCGCTTGGAGTGACCAAGGGGCGAGATCCACC 363
Db 239 TGCCCCACGGGGCCCTACTCCAGATTTATTTTCAAAATAGAAATAGAGAGTTGAAA 298
QY 364 TGGATCCCCAGCAGGACTACCAAGCTGTGCGAGGTGCAAGAGGCCCCAGAGAGGCTGACCC 423

Db 299 AAGATGCTCAGCAAGATTACCATCTAGAATATGCAATATGCAACACACACATAA 358
QY 424 TGCTTTTCAAGAGCCCTTTGGACCTCGGACCCCAAGGATTACTCTATTGAAGACGCA 483
Db 359 TTGAATTTACAGAGAGCTGCATACATGTGACATAAATGACAGAGTATAACGGATAGCA 418
QY 484 CTGTCCACTTGGTCTACGGGATCCTGGAGGAGCGTTCCGGTCACTGGAGGCCATCAACG 543
Db 419 CTGTGAGAGTGATCTGGGCTACCAACCATGAAGATGAGGAGAGCTGGTCCCAGTACC 478
QY 544 GCTCGGCTGCGAGATGGGGTGCAGAGGTGCAAGCTCTCTGAAGCCCAATATCCCGAAC 603
Db 479 ---ATGACTCCAATAGGGGACCAAGAGTTTGGCGTTATTGAATCTCTGAGAAAAC---TA 532
QY 604 CGGAGTTGCCCTCAGACGCGTGCACCATGAGGTCCAAAGCTCCCAATATCCAGATCCCCA 663
Db 533 GTGTGCTATCTACAGCCTTACCATACTTTGATCTGGTAAATCAGGAGCTGCCCATCCAA 592
QY 664 GCCAGGAGACACGCTACTGCTGTCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db 593 ACAAGATACACATATTTGGTGCAATGTTTAAGATCTCTGTGTTCCAAGAAAGCATC 652
QY 724 ACATTATCAAGTAGAGCCCATCGTCAACAGGCAATGAGGCCCTTGTCCACACATGG 783
Db 653 ATGTAATAAAGGTTGAGCCAGTGATACAGAGAGGCCATGAGAGTCTGTGTCACCATCC 712
QY 784 AAGTCTTCCAGTGGCCCCCGA---GATGACAGAGCTGCCCACTTCCAGGGGCCCTGCG 840
Db 713 TGCTCTATCAGTGGAGCAACAACTTTAAACGACAGCGTTCTGGAGTCCGGCCACAGTGTCT 772
QY 841 ACTCCAAGATGAACCCGACCGCTCAACTACTTCCGCCACAGTGTGCGGCCCTGGGCCC 900
Db 773 ATCAACCCACATGCGCGATGTCATTCTCTACCTGTGAACTGTGATTTTTCCTTGGGCTA 832
QY 901 TGGGTGCCAAGGCAATTTTACTACCCAGAGAAAGCCGCTTGGCTTCCGGGGTCCAGGGT 960
Db 833 TTGGTGGAGAGGCTTTCTTATATCCACCTCATGTTGGATTTATCCCTTGGCACTCCATTAG 892
QY 961 CCTCCAGATATCTCCGCTGGAAGTTCACTACCAACACCCACTGGTGATAGAGAGCA 1020
Db 893 ATCCGCAATATGTGCTCTAGAAAGTCCATTTATATATATATATATATATATATATAT 952
QY 1021 ACAGCTCCTCAGGATCCGCTTGTACTACACAGCAAGCTGCGCGCTTCAACCGCGGA 1080
Db 953 TAGATAATTTGCACTGAGGTTATTTTACAAATGATATAGGAATATATGATGCTGGG 1012
QY 1081 TCATGAGTGGGACTGGTGTACACGCCAGTGTGCGCATTTCCACACCGGAGACCGCCT 1140
Db 1013 TGATTGAGGCTGGCCTCTGGGTGAGCCTCTTCCATACCATCCCTCCAGGATGCTGAGT 1072
QY 1141 TCATCTCACTGGCTACTGACCGGACAGTGTCACCCAGCTGGGCTG---CCTC 1191
Db 1073 TCCAGTCTGAGGCTCACTGCACTTTGGAGTGTCTGGAAGAGGCTTGAAGCCGCAAGC 1132
QY 1192 CTTCCGGGATCCACATCTTCGCTCTCAGCTCCACACACACACTGACTGGGAGAAAGTGG 1251
Db 1133 CAAGTGGAAATCATGTGTTGCTGTTCTTCTCCATGCTCACTTGGCTGGCAGAGCATCA 1192
QY 1252 TCACAGTGTGTTCCGGGACGGCCGGAGTGGGAGATCGTGAACAGGACAACTCACTACA 1311
Db 1193 GGCTGGCTCATTTTCGAAAGGAGGAATGAAATTAATTTGCTATGATGATGATTTG 1252
QY 1312 GCCTCACTTCCAGGAGATCCGCATGTTGAAGAAAGTGTGTCGTTCCATCCGGGAGATG 1371
Db 1253 ACTTCAATTTCCAGGAGTTTCAAGTATCTAAAGGAAGAACAACTTTTACCGAGAGATA 1312
QY 1372 TGCTCATCACTCTCCAGCTACAAACAGGAGACCGGGAGCTGGCCACAGTGGGGGCT 1431
Db 1313 ACCTAATTAAGTGTGCTACACAGGAAATAGAGCTGAGATGACTTTGGGAGGAC 1372
QY 1432 TCGGATCTCTGGAGGAGATGTGTGTCAACTACGTGCACTACTACCC 1477

Db 1373 TAAGCACCAGGAGTGAATGTCTCTCATACCTTCTTTATTACCC 1418

RESULT 18

US-10-140-807-189
; Sequence 189, Application US/10140807
; Publication No. US20030134354A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C174
; CURRENT APPLICATION NUMBER: US/10/140,807
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-807-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

QY 187 GCTACACCCAGGAGGCCATCCATTCCAGCTCTCTGGTGGGAGGCTCAAGGCTGGCGTCC 246
Db 119 GCTGAGCCAGCGGGCAGCCAGATCGCTTCCGCTCCAGGTGCGCAGCTGCGAGGTACG 178
QY 247 TG---TTTGGGATGTCGACCGGTGGGAGCTTGAGAACGAGATCTCGTGTCTCTGGA 303
Db 179 TGGGCTTCGGCTTCTCGCCACCGGGGCCATGGCGTCCGCCGACATCGTCTGGCGGGG 238
QY 304 CCGATGGGGACACTGCCTATTCTTTCGCGACGCTGGAGTGACCAAGAGGGCAGATCCACC 363
Db 239 TGGCCACCGGGCGCCCTACTCCAGGATTTATTTTCAAAATGACAAATAGAGAGTTGAAA 298
QY 364 TGGATCCCGCAGCAGACTACCACTGCTGCGAGGTGCGAGGAGCCCGAGAGGCTGACCC 423
Db 299 AAGATGCTCAGCAAGATTACCATCTAGAAATATGCCATGGAATAACACACACAAATAA 358
QY 424 TGCTTTTCAAGAGCCCTTTGGCACCTCGACCCCAAGGATACCTCATTTGAAGACGGCA 483
Db 359 TTGNAATTTACAGAGAGCTGCATACATGTGACATAAATAACAGAGATATAACGGATAGCA 418
QY 484 CTGTCCACTTGGTCTACGGGATCTTGAGGAGCGGTTCGCGTCACTGGAGGGCCATCAAG 543
Db 419 CTGTGAGAGTGAATCGGGCTACCACTGAGATGCGAGAGAGCTGTGTCCTCAAGTACC 478
QY 544 GCTCGGCGCTGCAGATGGGCTGCAGAGGTGAGCTCTCTGAAGCCCAATATCCCGGAAC 603
Db 479 ---ATGACTCCAATAGGGGACCAAGAGTTTGGGTTATTGAATCTCTGAGAAAC---TA 532
QY 604 CGGAGTTGCCCTCAGACGCGGTGCACCATGAGGTCCAGCTCCCATATCCAGATCCCA 663
Db 533 GTGTGCTATCTACAGCTTACCATACTTTGATCTGGTAAATCAGGACGTCCCGCATCCAA 592

QY 664 GCCAGGAGACACGCTACTGCTCATTTAAGGAGCTTCAAGGGCTTCTCTCGCACCC 723
Db 593 ACAAGATACAACATATTGGTCCAAATGTTTAAAGATTCTGTGTTTCCAGAAAAGCATC 652
QY 724 ACATTATCAAGTAGAGCCCATCGTCAACCAAGGGCAATGAGGCCCTTGTCCACCCACATGG 783
Db 653 ATGTAATAAAGGTTGAGCCAGTGATACAGAGAGCCATGAGAGTCTGTGTGACACCATCC 712
QY 784 AAGTCTTCCAGTGGGCCCCGA---GATGGAAGCGTCCGCCACTTCAGCGGGCCCTGGG 840
Db 713 TGCTCTATCAGTGCAGCAAACTTTTAAACGACAGCGGTTCTGGAGTCCGCCACGAGTGC 772
QY 841 ACTCCAAGATGAACCCGACCGCTCAACTACTTCCGCCACGCTGTGGCGGCTCGGGCC 900
Db 773 ATCACCCCAACATGCCCGGATGCTCTCCTCCTGTGAAACTGTGATTTTGGCTGGGCTA 832
QY 901 TGGGTGCCAAGGCAATTTTACTACCCAGAGGAAGCGGCTTGCCTTTCGGGGTCCAGGGT 960
Db 833 TTGGTGGAGAGGGCTTTTCTTATCCACCTCATGTTGGATTATCCCTTGGCACTCCATTAG 892
QY 961 CTTCCAGATATCTCGCCCTGGGAAGTTCACTACCAACCCACTGTGTGATAGAGACGAA 1020
Db 893 ATCCGCATTATGCTCTCTAGAAAGTCCATTATGATAATCCCACTTATAGGAAGGCTTAA 952
QY 1021 AGACTCTCTAGGCATCCGCTTGTACTACAGAGCAAGCTCGCGGCTTCAACGGGGGA 1080
Db 953 TAGATAAATTTCTGGAGCTGAGGTTATTTTACAAATGATATAAGGAATATGATGCTGGG 1012
QY 1081 TCATGGAGCTGGGACTGTGTACAGCCAGTGATGGCCATTTCCACCGGGAGACCGCT 1140
Db 1013 TGAATTGAGGCTGGCCTCTGGGTGAGCTCTTCCATACCATCCTCCAGGATGCTGAGT 1072
QY 1141 TCATCCTCACTGGTACTGACGAGCAAGTGCACCCAGCTGGCACTG-----CCTC 1191
Db 1073 TCCAGTCTGAGGCTCACTGCACTTTGGAGTGCCTGGAGAGGCTCTGGAAGCCGAAAGC 1132
QY 1192 CTTCCGGGATCCACATCTTCCCTCTCAGTCTCAACACACCTGACTGGGAGAAAGTGG 1251
Db 1133 CAAGTGGAAATTCATGTGTGTTGCTGTTCTTCTCCTCACTGCTGCTGGCTGGCAGAGCATCA 1192
QY 1252 TCAGATGCTGCTCGGAGCGCGGAGTGGGAGATCGTGAACCAAGCAATCACTACA 1311
Db 1193 GGCTGCGTCAATTTTCGAAGAGGGAAGAAATGAAATTAATTTGCTATGATGATGATTTG 1252
QY 1312 GCCCTCACTTCAGAGATCGGCATGTTGAAGAGTCTGTGCTGCTCATCCGGGAGATG 1371
Db 1253 ACTTCAATTTCCAGAGTTCAGTATCTAAAGGAAGAAACAAACAATCTTACAGGAGATA 1312
QY 1372 TGCTCATCACCTCTCGCACGTACAACACGGAAGACCGGAGCTGGCCACAGTGGGGGCT 1431
Db 1313 ACCTAATTAATGAGTGTGCTTACACAGAAAGATAGAGCTGAGATGACTTGGGAGGAC 1372
QY 1432 TCGGATCTCGGAGGAGATGTGTCACTACGTGCACTACTACCC 1477
Db 1373 TAAGCACCAGGAGTGAATGTGTCTCTCATACCTTCTTTATTACCC 1418

RESULT 19

US-10-140-922-189
; Sequence 189, Application US/10140922
; Publication No. US2003013889A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

```

; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C179
; CURRENT APPLICATION NUMBER: US/10/140,922
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-922-189

Query Match          5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

QY 187 GCTACACCGAGGCGCATCCATTTCCAGCTCTCGTGGCGGAGGCTCAAGGCTGGCGTCC 246
Db 119 GCTGGAGCAGCGGGGCGAGCAGATCGCTTCCGCTCCAGGTGCGCACTCGAGGCTACG 178

QY 247 TG---TTTGGATGTCGACCGTGGCGAGCTTGAGACGCGAGATCTCGTGGTCTCTGGA 303
Db 179 TGGGCTTCGGCTTCTCGGCCACCGGGGCCATGGCGTCCGCGGACATGCTGCTGGCGGGG 238

QY 304 CCGATGGGGACACTGCCTATTTTTGGGACGCTCGAGGTGACAGAGGGGCGAGATCCACC 363
Db 239 TGGCCCGCGGGGCCCTACCTCCAGGATTTTACAATGCAATAGAGAGTTGAAA 298

QY 364 TGGATCCCGACAGAGACTACAGCTGTGCGAGGTGCGAGAGAGCCCGGAGGCGCTGACC 423
Db 299 AAGATGCTCAGCAAGATTACCATCTAGAAATATGCAATGCAATAGAGAGTAAACGATAG 358

QY 424 TGCCTTTCAAGAGGCCCTTTGGCACCTCGGACCCCGAGGATTTACTATTGAACAGCGCA 483
Db 359 TTGAATTTACAGAGAGCTGATACATGTGACATTAATGCAAGAGTAAACGATAGCA 418

QY 484 CTGTCCACTTGGTCTACGGGATCTCGAGGAGCGGTTCCGGTCACTGGAGGCCATCAAG 543
Db 419 CTGTGAGAGTGATCTGGGCTTACCACCTAGAGATGAGAGAGCTGGTCCCAAGTACC 478

QY 544 GCTCGGGCTGCAGATGGGCTGCGAGGGTGCAGGCTCTCGAAGCCCAATATCCCGAAC 603
Db 479 ---ATGACTCCCAATAGGGGACCAAGAGTGTTCGGTATTGAAATCTCGAGAAAC---TA 532

QY 604 CGGAGTTGCCCTCAGACGCGTGACCATGAGGTCCAGCTCCCAATATCAGATCCCA 663
Db 533 GTGTGCTATCTACAGCCTTACCATACTTTGATCTGGTAAATCAGGAGCTGCCCATCCAA 592

QY 664 GCCAGGAGACCACTACTTGGTGCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGACC 723
Db 593 ACAAGATACAACATATTGTGTCACAAATGTTAAGATTCCTGTGTTCAAGAAAGGATC 652

QY 724 ACATTATCAAGTACAGGCCCATCTGTCACCAAGGCAATGAGGCCCTTTGTCCACACATGG 783
Db 653 ATGTAATAAAGGTTGAGGCACTGATACAGAGAGGCCATGAGAGTCTGGTGCACCACTCC 712

QY 784 AAGTCTTCCAGTGGCCCCCGA---GATGGACAGGTCCCGCCACTTCAGGGGGCCCTGGC 840
Db 713 TGCTCTATCAGTGAGCAACAACTTTAACGACAGCGTTCTGGAGTCCGGGCGCAGAGTCT 772

QY 841 ACTCCAAGATGAACCCGACCGCTCAACTACTCGCGCCAGCTGCTGGCGCCCTGGGCCCC 900
Db 773 ATACCCCAACATGCCGATGCAATCTCTCAGCTGTGAAACTGTGATTTTTCCTGGGCTA 832

QY 901 TGGGTGCCAAGGCATTTTACTACCCAGAGGAGCGCGCTTGCCTTCGGGGGTCCAGGGT 960
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Db 833 TTGTTGGAGAGGGCTTTTCTTATCCACCTCATGTTGGATTATCCCTTGGCACTCCATTAG 892
QY 961 CCTCCAGATATCTCCGCTGGAAGTTTCACTACCAACAACCCACTGGTGATAGAGGACGAA 1020
Db 893 ATCCGCAATTATGCTCTCTAGAGTCCATTATGATAATCCCACTTATGAGGAGGCTTAA 952
QY 1021 ACGACTCCTCAGGCATCCGCTTGTACTACAGAGCAAGCTCGCGGCTTCAACCGGGGA 1080
Db 953 TAGATAATTCTGGACTGAGGTATTTTACACAATGGATATAAGGAATATGATGCTGGGG 1012
QY 1081 TCATGGAGCTGGGACTGGTGTAACGCCAGTGATGGCCATTTCCACCGGAGACCGCCT 1140
Db 1013 TGATTGAGGCTGGCCTCTGGGTGAGCCTCTTCCATACCATCCCTCCAGGATGCTGAGT 1072
QY 1141 TCATCCTCACTGGCTACTGACGCGGACAAGTGCACCCAGCTGGCACTG-----CCTC 1191
Db 1073 TCCAGTCTGAGGGTCACTGCACATTTGGAGTGCTCGGAAGGGCTCTGGAAGCCGAAAGC 1132
QY 1192 CCTCCGGGATCCACATCTTCGCTCTCAGCTTCCACACACACCTGACTGGGAGAAAGTGG 1251
Db 1133 CAAGTGAATTCATGTGTTGCTGTTCTTCTCATGCTCACTGCTGGCTGGCAGAGGCATCA 1192
QY 1252 TCACAGTCTGGTCCGGGACGCGCGGAGTGGGAGATCGTGAAACGAGACAATCACTACA 1311
Db 1193 GGCTGCGTCAATTTTCGAAAGGGAAGGAATGAAATTAATTGCTTATGATGATGATTTG 1252
QY 1312 GCCCTCACTTCCAGGAGATCGCATGTTGAAGAGGTGCTGCTCGTCCATCCGGGAGATG 1371
Db 1253 ACTTCAATTTCCAGGAGTTCAGTATCTAAAGGAAGAACAAACAATTTTACCAGAGATA 1312
QY 1372 TGCTCATCACTCTCGCACGTACAAACAGGAGACCGGAGCTGGCCACAGTGGGGGGCT 1431
Db 1313 ACCTAATTAATGAGTGTGCTACACACAGAAAGATAGAGCTGAGATGACTTGGGGGAGC 1372
QY 1432 TCGGGAATCTGGAGGAGATGTGTCTCACTACGTCGCACTACTACCC 1477
Db 1373 TAAGCACCAGAGTGAATGTGCTCTCATACCTTCTTTATTATCCC 1418

RESULT 20
US-10-140-924-189
; Sequence 189, Application US/10140924
; Publication No. US20030134355A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Oiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Sherney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C177
; CURRENT APPLICATION NUMBER: US/10/140,924
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
```


US-10-140-924-189

```
Query Match          5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

QY 187 GCTACACCCAGGAGGCCATCCATTTCCAGCTCTCGTGGCGAGGCTCAAGGCTGGCGTCC 246
D 119 GCTGGAGCCAGCGGGCAGCAGATCGCTTCGCGCTCCAGTGCGCAGCTGCGAGGTACG 178
QY 247 TG---TTTGGATGTCGAGCGTGGCGAGCTTGAGAACGACAGATCTCGTGTCTGGA 303
D 179 TGGGCTTCGGCTTTCTCGCCACACCGGGCCATGCGCTCCGCGACATCGTGTGGCGGG 238
QY 304 CCGATGGGACACTGCTATTTTGGCGAGCCCTGGAGTGACAGAGGGGCGAGTCCACC 363
D 239 TGGCCACGCGGCGCTTACCTCCAGGATTTATTTACAAATGCAATAGAGGTTGAAAA 298
QY 364 TGGATCCCGACGAGGACTACAGCTGCTGACAGTGCAGAGGACCCGAGAGGCTTGACCC 423
D 299 AAGATGCTCAGCAAGATTACCATCTAGAAATATGCCATGGAAATAGCACACACATAA 358
QY 424 TGCTTTTCAAGAGGCCCTTTGGCACTCGACCTCGACCCCAAGATTACCTATTGAAGCGCA 483
D 359 TTGAATTTACGAGAGCTGCAATATGATGACATAAATGACAAGAGTATAACGGATAGCA 418
QY 484 CTGTCCACTTGTCTACGGGATCTCGGAGAGCCGTTCCGGTCACTGGAGGCCATCAAG 543
D 419 CTGTGAGAGTGATCTGGGCTACCACTACCATGAAGATGCGAGGAGCTGTCCTCAAGTACC 478
QY 544 GCTCGGCTCGAGATGGGGTGGAGGGTGCAGCTCCTGAAGCCCAATATCCCGGAAC 603
D 479 ---ATGACTCCAATAGGGGACCAAGAGTTTGGGTTATTGAATCTTGAGAAAC---TA 532
QY 604 CGGAGTGGCCCTCAGACGGTGCACCATGAGGAGTCCAGCTCCCAATATCCAGATCCCCA 663
D 533 GTGTCTATCTACAGCTTACCATACTTGTATCTGTTAAATCAGAGCTGCCCATCCAA 592
QY 664 GCCAGAGACACAGTACTGTGTCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
D 593 ACAAAAGATACACATATTTGGTGCCAAATGTTTAAAGATTCCTGTGTTCCAAAGAAAGATC 652
QY 724 ACATTATCAAGTACGAGGCCATCTGCACCAAGGCAATGAGGCCCTTGTCTCACACATGG 783
D 653 ATGTATTAAGGTTGAGCCAGTGATACAGAGGCCATGAGAGTCTGTGTCACCAATCC 712
QY 784 AAGTCTTCCAGTGGCCCCGA---GATGGACAGCTCCGCCACTTCCAGGGGCCCTGG 840
D 713 TGCTCTATCAGTCAGCAACAACACTTTAACGACAGCTTCTGGAGTCCGGCCAGAGTGT 772
QY 841 ACTCCAGATGAACCCGACCGCTCAACTACTGCCGCCACGTGCTGGCGCGCTGGGCC 900
D 773 ATCAACCCCAACATGCCCGATGCATTCCTCACTGTGAAACTGTGATTTTGGCTGGGCTA 832
QY 901 TGGGTGCCAAGGCAATTTTACTACCGAGGAAGCGGCTTGGCTTCGGGGTCCAGGT 960
D 833 TTGGTGGAGAGGGCTTTTCTATCCACTCATGTGGAATATCCCTTGGCACTTCAATTAG 892
QY 961 CCTCAGATATCTCCGCTCGAAGTTCACTACCAACACCCTGCTGTGATAGAGGACGAA 1020
D 893 ATCCGCAATATGTCTCTAGAAAGTCCATTTATGATAATCCCACTTATGAGGAAGGCTTAA 952
QY 1021 ACAGACTCTCAGGCACTCGCTTGTACTACACAGCAAGCTGGCGGCTTCAAGCGGGGA 1080
D 953 TAGATAATTTGAGACTGAGGTTATTTTACCAATGATATAAGAAATATGATGCTGGGG 1012
QY 1081 TCATGGAGCTGGAGCTGGGTACACGCCAGTGTGTCATTCACCAAGGAGACCGCT 1140
D 1013 TGATTGAGGCTGGGCTCTGGGTGAGCTCTTCCATACCATCCCTCCAGGATGCTGCTGAT 1072
QY 1141 TCATCCTCACTGCTACTGACCGGACAGTGCACCCAGCTGGCACTG-----CTCT 1191
D 1073 TCCAGTCTGAGGCTCACTGCATTTTGGAGTGCTGTGAAGAGGCTCTGGAAGCGGAAAGC 1132
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QY 1192 CCTCGGATCCACATCTTCGCTCTCAGCTCCACACACACCTGACTGGGAGAAAGTGG 1251
D 1133 CAAGTGAATTCATGTGTGTTCTCTCCATGCTCAGCTGGCTGGCAGAGGATCA 1192
QY 1252 TCACAGTGTGTCGCGGACGCGCGGAGTGGGAGATCGTGAACCAAGGACAATCACTACA 1311
D 1193 GGCTGCTCATTTTTCGAAAGAGGAAGAAATGAATTAATCTTCCCTATGATGATTTG 1252
QY 1312 GCCTCACTTCCAGGAGATCCGATGTTGAAGAGGTCTGTGCGTCCATCCGAGGAGATG 1371
D 1253 ACTTCAATTTCCAGGAGTTTCAGTATCTAAAGGAAGAACAAATCTTACCAGGAGATA 1312
QY 1372 TGCTCATACCTCTGCAGCTACAACACGGAAGACCGGAGCTGGCCACAGTGGGGGGCT 1431
D 1313 ACCTAATTTACTGATGTCGCTACACACGAAAGATAGACTGAGATGATCTTGGGAGGAC 1372
QY 1432 TCGGGATCCTGGAGGAGATGTGTCAACTCACTGCTGACCTACTACCC 1477
D 1373 TAAGCACAGGAGTGAATGTGTCTCTCATACCTCTCTTTATTATACC 1418
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RESULT 21

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US-10-140-926-189
; Sequence 189, Application US/10140926
; Publication No. US20030134356A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C187
; CURRENT APPLICATION NUMBER: US/10/140,926
; PRIOR FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-926-189
```

```
Query Match          5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

QY 187 GCTACACCCAGGAGGCCATCCATTTCCAGCTCTCGTGGCGAGGCTCAAGGCTGGCGTCC 246
D 119 GCTGGAGCCAGCGGGCAGCAGATCGCTTCGCGCTCCAGTGCGCAGCTGCGAGGTACG 178
QY 247 TG---TTTGGATGTCGAGCGTGGCGAGCTTGAGAAACGACAGATCTCGTGTCTGGA 303
D 179 TGGGCTTCGGCTTTCTCGCCACACCGGGGCCATGCGCTCCCGGACATCGTGTGGCGGG 238
QY 304 CCGATGGGACACTGCTATTTTGGCGAGCCCTTGGAGTGACAGAGGGGCGAGATCCACC 363
D 239 TGGCCACGCGGCGCTTACCTCCAGGATTTATTTACAAATGCAATAGAGGTTGAAAA 298
```

Qy	364	GGGATCCCGCAGGAGCTACAGAGTCTGCGAGGTGCGAGGACCCCGAAGCGCTGACCC	423
Db	299	AAGATGCTCAGCAAGATTACCATTTTCAATTTTCCATTTAGCAATATGCCATGGAAATATGACACACACAATAA	358
Qy	424	TGCTTTTCAAGAGGCCCTTTGGCACCTCGCGACCCCGAGGATTACCTCATTTGAAGCGGCA	483
Db	359	TTGAATTTACAGAGAGCTGCATACATGTGACATAAATGACAAGAGTATAACGGATAGCA	418
Qy	484	CTGTCCACTTGGTCTTACGGGATCTCTGGAGGACCGTTCCGGTCACTGGAGGCCATCAACG	543
Db	419	CTGTGAGAGTGATCTGGSCCTTACCACCATGAAGATGCAGGAGAGCTGTTCCCAAGTACC	478
Qy	544	GCTCGGGCTCGAGATGGGGCTGCGAGGGTGCAGTCTCTGAAGCCCAATATCCCGGAAC	603
Db	479	--ATGACTCCAATAGGGGCAACCAAGAGTTTTCGGTTATTGAATCCTGAGAAAAC--TA	532
Qy	604	CGGAGTTGGCCCTCAGACGCTGACCACTGGAGGTCGAAGCTCCCAATATCCAGATCCCCA	663
Db	533	GTGTGCTACTTACAGCCTTACCATCTTTGATCTGGTAAATCAGGAGCTCCCCATCCCA	599
Qy	664	GCCAGGAGACCACTACTGTGTGCTACATTAAAGGAGCTTCCAAAGGGCTTCTCTCGGCACC	723
Db	593	ACAAAGATACAACATATTGGTGCCAAATGTTTAAAGATTCCTGTGTTCCAGAAAAGCATC	652
Qy	724	ACATTATCAAGTACAGGCCATCGTCACCAAGGGGAATGAGGCCCTTGTTCACACACATGG	783
Db	653	ATGTAATAAAGGTTTGAGCCAGTGATACAGAGAGGCCATGAGAGTCTGGTGCACCACATCC	712
Qy	784	AAGTCTTCCAGTGCGCCCGA---GATGGACAGGTCCTCCCACTTCAGCGGGCCCTGGC	840
Db	713	TGCTCTATCAGTGAGCAACAACCTTTAAACGACAGGTTCTGGAGTCTCGGCCACGAGTGCT	772
Qy	841	ACTCCAAGATGAACCCGACCGCCTCAACTACTCGCGCACGTCGTCGCGCCTCGGGCCC	900
Db	773	ATCACCCCAACATGCGCCGATGCAATCTCTCACCTGTGAACTGTGATTTTGGCTTGGGCTA	832
Qy	901	TGGGTGCCAAGGCATTTTATACCCAGAGGAAGCCGCTTTCCTTCGGGGTCCAGGGT	960
Db	833	TTGGTGAGAGGGCTTTTCTTATCCACTCATGTTGGATTATCCTTTGGCACTCCATTAG	892
Qy	961	CCTCCAGATATCTCGGCTGGAAGTTCACTACCAACCCCACTGGTGATAGAAGGACGA	1020
Db	893	ATCCGCATTTATGTGCTCCTAGAAGTCATTATGATATATCCCACTTATGAGGAAGGCTTAA	952
Qy	1021	ACGACTCCTCAGGCATCGCTTGTACTACACAGCCAAGCTCGCGCGCTTCAACCGCGGGA	1080
Db	953	TAGATATTTCTGGACTGAGGTATTTTACACATGGATATAAGAAATATGATGCTGGGG	1012
Qy	1081	TCATGGAGCTGGGACTGGGTACACGCCAGTGATGGCCATTTCACACCGGAGACCGCCT	1140
Db	1013	TGATTGAGGCTGGCCTCTGGGTGAGCCTTCCATACCATCCCTCCAGGGATGCTCGAT	1072
Qy	1141	TCATCCTCACTGGCTACTGCACGCAAGGTGCACCCAGCTGGCACTG-----CCTC	1191
Db	1073	TCCAGTCTGAGGGTCACTGCACCTTTGAGTGTCCCTGGAAGAGGCTCTGGAAGCCGAAAAGC	1132
Qy	1192	CCTCCGGATCCACATCTCGCCTCTCAGCTTCCACACACACCTGACTGGGAGAAAGTGG	1251
Db	1133	CAAGTGAATTCATGTGTTTGTCTTCTTCCATGTCTACCTGGCTGGCAGAGGCAATCA	1192
Qy	1252	TCACAGTGTGGTCCGGACCGCGGAGTGGGAGATCGTGAACGAGGACAATCACTACA	1311
Db	1193	GGCTGCGTCATTTTCGAAAAGGGAAGGAATGAAATTTACTTGCCTATGATGATTTTG	1252
Qy	1312	GCCTCACTTCCAGGAGATCCGATGTTGAAGAAGTGTGTTGCTGCTCATTCGGGAGATG	1371
Db	1253	ACTTCAATTTCCAGGAGTTTCAGTATCTAAAGGAAGAAACAACAATCTTACCAGGAGATA	1312
Qy	1372	TGCTCATCACTCTCTGCACTACAACACGGAAGACCGGAGCTGGCCACAGTGGGGGCT	1431
Db	1313	ACCTAATTACTGAGTGTGCGCTACAAACGAAAGATAGAGCTGAGATGACTTTGGGGAGAC	1372
Qy	1432	TCGGGATCTCGGAGGAGATGTGTCAACTACGTGCACTACTACCC	1477

Db
D_b

RESULT 22

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US-10-141-698-189
; Sequence 189, Application US/10141698
; Publication No. US20030134357A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Flvitaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRAN
; TITLE OF INVENTION: ACIDS ENCODING
; FILE REFERENCE: P3301C206
; CURRENT APPLICATION NUMBER: US/10/14
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-141-698-189

```

Query Match	5.4%	Score 146.8	DB 12	Length 2150
Best Local Similarity	47.3%	Pred. No. 1.2e-29		
Matches 618	Conservative 0	Mismatches 667	Indels 21	Gaps 5
Qy	187	GCTACACCCAGGAGGCATCCATTTCCAGCTCTGGTGGGAGGCTCAAGCTGGCGTCC	246	
Db	119	GCTGGAGCCAGCGGGCAGCAGATCGCTTCGCGCTCCAGGTGCGCACTGCAAGCTACG	178	
Qy	247	TG---TTTGGGATGTCGACCGTGGCGAGCTTGAGAACGCAGATCTCGTGGTGTCTCTGGA	303	
Db	179	TGGGCTTCGGCTTCGCGCCACCGGGGCCATGGCTCGCGACATCGTCTGGGCGGGG	238	
Qy	304	CCGATGGGACACTGCTATTTTGGGACCGCTTGGAGTGACCAAGAGGGCGAGATCCACC	363	
Db	239	TGGCCCCACGGCGGCGCTACTCTCCAGGATTAATTTTACAAATGCAAAATAGAGAGTTGAAA	298	
Qy	364	TGGATCCCCAGCAGGACTACACGCTGTCGAGGTGCAGAGAGCCCCAGAGGCTGCACC	423	
Db	299	AAGATGCTCAGCAAGATTTACCATCTAGATATGCCATTGGAAATAGCACACACAATAA	358	
Qy	424	TGCTTTTCAAGAGGCCCTTTGGCACCTTGGCACCCCAAGGATTACCTCATTTGAAGACGGCA	483	
Db	359	TTGAATTTACCAGAGGCTGCATACATGTGACATAAATGACAAGAGTATAACGGATAGCA	418	
Qy	484	CTGTCCACTTGGTCTACGGGATCCTGGAGAGCGGTTTCGGTCACTGGAGGCCATCAACG	543	
Db	419	CTGTGAGAGTGATCTCGGGCCCTACACCATGAAGATGCAGGAGAGCTGGTCCCCAAGTACC	478	
Qy	544	GCTCGGCGCTGCAGATGCGGCTGCAGAGGTGCAGCTCTTGAGGCCCAATATCCCCGAAC	603	
Db	479	---ATGACTCCAATAGGGGCCACAGAGTTTTCGGTTATTGAAATCTCTGAGAAAC---	532	
Qy	604	CGGAGTTGCGCTTCAGACGGGTGCACCATGAGAGTCCAAAGCTCCCAATATCCAGATCCCCA	663	


```
Qy 901 TGGGTGCCAAGCATTTTACTACCCAGAGGAGCGCGCTTGGCTTTCGGGGTCCAGGGT 960
Db 833 TTGGTGGAGAGGGCTTTTCTTATCCACCTCATGTTGGATTATCCCTTGGCACTCCATTAG 892
Qy 961 CCTCAGATATCTCCGCTCGAAGTTCACTACCAACCCCACTGGTGATAGAAGACGAA 1020
Db 893 ATCCGATATGTGCTCTAGAGTCCATATGATATCCCACTTATGAGGAAGCCTTAA 952
Qy 1021 ACGACTCCTCAGGCATCCGCTTGTACTACACAGCCCAAGCTCGCGCTTCAACCGGGGA 1080
Db 953 TAGATAATCTCGACTGAGGTATTTTACAAATGATATAAGGAATATGATGCTGGG 1012
Qy 1081 TCATGGAGCTGGAGTGTGTACAGCCAGTGTGGCCATTCACACGGGAGACCGCT 1140
Db 1013 TGATTGAGGCTGGGCTCTGGGTGAGCTCTTCCATACCATCCCTCCAGGGATGCTGAGT 1072
Qy 1141 TCATCCTCACTGGCTACTGACGAGCAAGTGCACCCAGCTGSCACTG-----CCTC 1191
Db 1073 TCCAGCTGAGGGTCACTGCACTTTGGAGTGCCTGGAAAGGCTCTGGAAGCCGAAAGC 1132
Qy 1192 CCTCGGATCCACATCTTCGCTCTCAGCTCCACACACCTGACTGGGAGAAAGGTGG 1251
Db 1133 CAAGTGAATTCATGTGTTGCTGTTCTTCTCCATGCTCACCTGGCTGGCAGAGCATCA 1192
Qy 1252 TCACAGTCTGCTCGGGACGCGGGAGTGGGAGATCGTGAACAGAGCAATCACTACA 1311
Db 1193 GGCTCGCTCATTTTCGAAAGGGAAGAAATGAAATTAATTGCTATGATGATTTTG 1252
Qy 1312 GCCCTCACTCCAGGAGATCCGATGTTTGAAGAGGTGCTGCTCGGTCCATCCGGAGATG 1371
Db 1253 ACTTCAATTTCCAGAGTTTCAGTATCTAAAGGAAGAAACAACTTTCACAGAGATA 1312
Qy 1372 TGCTCATCACCTCTCGACGTACAAACCGGAAGACCGGGAGCTGGCCACAGTGGGGGCT 1431
Db 1313 ACCTAATTTACTGAGTGTGCTTACAAACAGGAAGATAGAGCTGAGATGACTTGGGGAGAC 1372
Qy 1432 TCGGATCTCGGAGAGATGTGTCACTACGTGCACTACTACC 1477
Db 1373 TAAGCACAGGAGTGAATGTGCTCTCATACCTTCTTTATTATCCC 1418
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RESULT 24

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US-10-141-704-189
; Sequence 189, Application US/10141704
; Publication No. US20030134359A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: ACIDS ENCODING THE SAME
; CURRENT APPLICATION NUMBER: US/10/141.704
; PRIORITY FILING DATE: 2002-05-08
; Prior Application removed - See Palm or File wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
```

```
; ORGANISM: Homo Sapien
US-10-141-704-189
```

```
Query Match 5.4%; Score 146.8; DB 12; Length 2150;
```

```
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
```

```
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;
```

```
Qy 187 GCTACACCCAGGAGCCATCCATTTCCAGTCTCTGGTTCGGAGGCTCAAGGCTGGCGTCC 246
Db 119 GCTGAGAGCGGGGAGCCAGATCGCTTCCGCTCCAGGTGGCACTCGAGGTACG 178
Qy 247 TG---TTTGGATGTCGACCGTGGAGCTTTGAGAACGAGATCTGTGTGCTCTGGA 303
Db 179 TGGGCTTTGGCTTCTCGCCACCGGGCCATGGGCTCCGCGACATCGTCTGGGCGGG 238
Qy 304 CCGATGGGGACACTGCTTATTTTTCGGAGCGCTGGAGTGACAGAGGGGAGATCCACC 363
Db 239 TGGCCACGGGGCGCCCTTCTCCAGGATTTATTTTCAATATGCAATATAGAGTTGAAA 298
Qy 364 TGGATCCCGAGCAGGACTACCGCTGCTGAGGTGTCAGAGAGCCCGAGAGGCTGACCC 423
Db 299 AAGATGCTCAGCAAGATTACCATCTAGAAATATGCAATATAGCACACACAATAA 358
Qy 424 TGCTTTTCAAGAGCCCTTTGGGACCTGGGACCCCAAGGATTTACTCTATTGAAAGCGCA 483
Db 359 TTGAATTTTACCAGAGAGCTGCATACATGTGACATAAAATGACAGAGTATACGGATAGA 418
Qy 484 CTGTCACCTTTGCTCTACGGGATCTGGAGGAGCGGTTCCGCTCACTGGAGGCCATCAACG 543
Db 419 CTGTGAGAGTGTATCTGGGCTTACCACCATGAAGATGACAGAGAGCTGTGCTTCCAA 478
Qy 544 GCTCGGGCTCGAGATGGGGCTGCAGAGGGTGCAGAGTCTCTGAAGCCCAATATCCCGAAC 603
Db 479 ---ATGACTCCAATAGGGGACCAAGAGTTTGGGTTATTGAACTCTCAGAAAC---TA 532
Qy 604 CGAGTTTGCCCTCAGACGCTGACCATGGAGGTCCAAAGTCCCAATATCCAGATCCCA 663
Db 533 GTGTGCTATCTACAGCCTTACCATACTTGTATCTGTGTAATCAGGAGCTGCCCATCCCA 592
Qy 664 GCAGAGAGACCACTACTGCTGTGTACATTAAGAGCTTCCAAAGGGTCTCTCGGGACC 723
Db 593 ACAAGATACAACATATTGGTGCCAAATGTTTAAGATTCTGTGTTTCAAGAAAGCATC 652
Qy 724 ACATTTCAAGTACGAGCCCATCGTCAACAGGGAATAGAGCCCTTGTCCACACACATGG 783
Db 653 ATGTAATAAAGTTGAGCCAGTGATACAGAGGSCCATGAGAGTCTGTGTCACACATCC 712
Qy 784 AAGTCTTCCAGTGGCCCCCGA---GATGACAGCGTCCCCCACTTCAGCGGGGCCCTGCG 840
Db 713 TGCTCTATCAGTCAGCAACAACCTTTAAACGACAGCGTTCTGGAGTCCGGGCCACGAGTCT 772
Qy 841 ACTCCAAGATGAACCGCGCTCAACTACTGCGCCACGCTGCTGCGCCCTGGGCCCC 900
Db 773 ATCACCACCAACATGCGCCGATGCAATCTCTACCTGTGAAACTGTGATTTTGGCTGGGCTA 832
Qy 901 TGGGTGCAAGGCATTTTACTACCCAGAGGAAGCGCGCTTGCCTTGGGGGTCCAGGGT 960
Db 833 TTGGTGGAGAGGGCTTTTCTTATCCACCTCATGTTGATTTATCCCTTGGCACTCCATTAG 892
Qy 961 CTCTCAGATATCTCGGCTCGAAAGTTCACTACCAACACCACTGGTGTATAGAAGACGAA 1020
Db 893 ATCCGCAATATGTGCTCTAGAAAGTCCATTTATGATAATCCCACTTATGAGGAAGGCTTAA 952
Qy 1021 ACAGCTCCTCAGGCATCCGCTTGTACTACACAGCAAGCTGCGGGCTTCAACCGGGGA 1080
Db 953 TAGATAATCTCGAGCTGAGGTATTTTACAAATGAGATATAAGGAATAATGATCTGGGG 1012
Qy 1081 TCATGGAGCTGGGACTGGTGTACACGCGAGTGTAGTGGCACTTCCACACCGGAGACCGCT 1140
Db 1013 TGATTGAGGCTGGGCTCTGGGTGAGCTCTTCCATACCATCCCTCCAGGATGCTGAGT 1072
Qy 1141 TCATCTCTACTGGCTACTGCACGGAGCAAGTGCACCCAGCTGGCACTG-----CCTC 1191
```

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Db 1073 TCCAGTCTGAGGCTCACTGCACCTTTGGAGTGCCTGGAGAGGCTCTGGAAGCCGAAAGC 1132
QY 1192 CCTCGGGATCCACATCTTCGCTCTCAGCTCCACACACACTGACTGGGAAAGGTGG 1251
Db 1133 CAAGTGGAAATTCATGTGTTGCTGTTCTCCATGCTCACTGGCTGGCAGAGGCATCA 1192
QY 1252 TCACAGTGTGCTCGGGACGGCCGGAGTGGAGATCGTGAACCCAGGACAAATCACTACA 1311
Db 1193 GGCTGCGTCATTTTCGMAAGGGAAGAAATGAATTAATCTTGCCTATGATGATTTG 1252
QY 1312 GGCCTCACTTCAGAGAGATCCCATGTTGAAGAAGTGTGTCGCTGCATCCGGAGATG 1371
Db 1253 ACTTCAATTTCCAGGAGTTTTCAGTATCTAAAGGAAGAAACAAATCTTACCAGAGATA 1312
QY 1372 TGCTCATACCTCCGACGATACACACGGAGACGGAGCTGGCCACAGTGGGGGCT 1431
Db 1313 ACCTAAATTTAGTGTGCTGCTACAAACGAAAGATAGAGCTGAGATGACTTTGGGGAGGAC 1372
QY 1432 TGGGATCCTGGAGGAGATGTGTCAACTACGTGCCTACTACCC 1477
Db 1373 TAAGCACCAGGAGTGAATGTCTCTCATACCTTCTTTATTACCC 1418

RESULT 25
US-10-142-421-189
; Sequence 189, Application US/10142421
; Publication No. US20030134360A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C218
; CURRENT APPLICATION NUMBER: US/10/142,421
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-142-421-189

Query Match 5.48; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.38; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

QY 187 GCTACACCCAGGAGGCCATCAATTTCCAGTCTCTGTTGGAGGCTCAAGGCTGGCGTCC 246
Db 119 GCTGGAGCCAGCGGGCAGCCAGATCGCTTCCGCTCCAGGTGCGCACTGCGAGGTACG 178
QY 247 TG---TTTGGAGTCCGACCGTGGGAGCTTGAGAACCGAGATCTCGTGGTCTCTGGA 303
Db 179 TGGCTTCGCGCTTCTCGCCACCGGGGCCATGGCGTCCGCGACATCGTCTGTTGGCGGG 238
QY 304 CCGATGGGGACACTGCTCTATTTTGGGAGCGCTTGGAGTGACACGAGAGGGGAGATCCACC 363
Db 239 TGGCCACCGGGCGGCTTACCTCCAGGATTAATTTTACAAATGCAATAGAGATTGAAAA 298
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QY 364 TGGATCCCCAGCAGGACTACCACTGCTGCAGGTGCAGAGGACCCCGAAGGCTCTACCC 423
Db 299 AAGATGCTCAGCAAGATTACCATCTAGAATATGCCATGGAATAATAGCACACACATAAA 358
QY 424 TGCTTTTCAAGAGGCCCTTTGGCACCTGCGACCCCAAGGATTACCTCATTTGAAGACGGCA 483
Db 359 TTGAATTTACAGAGAGCTGCATACATGTGCATAAATGACAAGAGTATAACGGATAGCA 418
QY 484 CTCTCCACTTGTGTCTACGGGATCCTCGAGGAGCGGTTCCGGTCACTGGAGGCCATCAACG 543
Db 419 CTGTGAGAGTGATCTGGGCTTACCACCATGAAGATCGAGAGAGCTGTGCCAAGTACC 478
QY 544 GCTCGGGCTCGAGATGCGGCTGACAGGGTGCAGCTCTCTGAAGCCAAATATCCCGAAC 603
Db 479 ---ATGACTCCCAATAGGGGACCAAGAGTTTGGGTTATTGAATCCTGAGAAAAC---TA 532
QY 604 CGGAGTTGGCCTCAGACGCTGCACCATGGAGGTCCAAGCTCCCAATATCCAGATCCCA 663
Db 533 GTGTGCTATCTACAGCCTTTACCATCTTGTGTAATCAGGACGTCCTCCATCCCAA 592
QY 664 GCCAGGAGACCAGTACTGTGTCTCATTTAAGGAGCTTCCAAAGGCGCTTCTCTCGGCAC 723
Db 593 ACAAGATACAAATATGTTGTCCTAAATGTTTAAAGTTCTGTGTTCCNAGAAAAGCATC 652
QY 724 ACATTTATCAAGTACAGGCCATCGTCACCAAGGGCAATGAGGCCCTTGTGCCACCATGG 783
Db 653 ATGTAATAAGGTTGAGCCAGTGATACAGAGAGGCGCATGAGAGTCTGTGTGCACCATCC 712
QY 784 AAGTCTTCCAGTGGCGCCCGCA---GATGGACAGAGTCCCCACATTCAGCGGGCCCTGG 840
Db 713 TGCTCTATCAGTGCAGCAACAATCTTTAAGCAGAGCGTCTTGGAGTCCGCGCCACGAGTGT 772
QY 841 ACTCCAAGATGAAACCCGACCGCTCAACTACTGTCGCCCACTGTCGTGGCGGCTCGGGCC 900
Db 773 ATCACCCCAACATGCCCGATGCTTCTCACCTGTGAAACTGTGATTTTGGCTCGGCTA 832
QY 901 TGGGTGCCAAGCATTTTACTACCCAGAGGAAGCGGCTTGGCTTCGGGGGTTCAGGTT 960
Db 833 TTGGTGGAGAGGCTTTTCTTATCCACCTCATGTTTGGATTTATCCCTTGGCATCTCATAG 892
QY 961 CCTCCAGATATCTCGGCTCGGAAGTTCACTACCAACCCACTGTGTGATAGAAGACCAA 1020
Db 893 ATCCGCATTTATGTGCTCTAGAGTCCATATGATATATCCCATTTATGAGGAGGCTTAA 952
QY 1021 AGCACTCTCAGGCATCGCTTTGACTACACAGCCAAAGCTGGCGCTTCAACCGGGGA 1080
Db 953 TAGATAATTTCTGGACTGAGGTTATTTTACACAATGGATATAAGGAAATATGATGCTGGG 1012
QY 1081 TCATGGAGCTGGAGTGTGTACACGCCAGTGATGGCCATTTCCACCACGGAGAGACCGCT 1140
Db 1013 TGATTGAGCTGGGCTCTGGGTTAGGCTCTTCCATACCATCCCTCCAGGAGTGCCTGAGT 1072
QY 1141 TCATCCTCACTGGCTACTGCACGGACCAAGTGCACCCAGCTGGCACTG-----CCTC 1191
Db 1073 TCCAGTCTGAGGCTCACTGCATTTGGAGTCCCTGGAGAGGCTCTGGAAGCCGAAAGC 1132
QY 1192 CCTCGGGATCCACATCTTCGCTCTCAGCTCCACACACACTGACTGGGGAAGAGTGG 1251
Db 1133 CAAGTGGAAATTCATGTGTTGCTGTTCTTCTCCATGCTCACTGGCTGGCAGAGGCATCA 1192
QY 1252 TCACAGTGTGCTCGGACCGGCGGAGTGGGAGATCGTGAACCCAGGACAAATCACTACA 1311
Db 1193 GGCTGCGTCATTTTGGAAAAGGGAAGGAATGAATTAATTTCTTGCCTATGATGATTTG 1252
QY 1312 GCCCTCACTTCAGAGAGATCCGATGTTGAAGAAGTGTGTCGGTCCATCCCGGAGATG 1371
Db 1253 ACTTCAATTTCCAGGAGTTTCAGTATCTAAAGGAAGAAACAAATCTTACCAGAGATA 1312
QY 1372 TGCTCATCACCTCTGCACGTACAAACAGGAGACCGGGAGCTGGCCACAGTGGGGGCT 1431
Db 1313 ACCTAAATTTACTGAGTGTGCTGTACAAACGAAAGATAGAGCTGAGTACTTGGGGAGGAC 1372
```

Qy 1432 TCGGATCTGGAGGAGATGTGTCAACTAGTGCACACTACCC 1477
Db 1373 TAAGCACCAGGAGTGAATGTGTCTCATACCTTTTATTACCC 1418

RESULT 26

US-10-142-432-189

; Sequence 189, Application US/10142432

; Publication No. US20030134361A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey J.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3330R1C215

; CURRENT APPLICATION NUMBER: US/10/142,432

; CURRENT FILING DATE: 2002-05-09

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 189

; LENGTH: 2150

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-142-432-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

Qy 187 GCTACACCCAGGAGGCATCCATTTCCAGCTCTGGTGGCGAGGCTCAAGGCTGGGTCC 246
Db 119 GCTGGAGCAGCGGGGCGAGATCGCTTCGCCCTCCAGGTGGGCACTGCAGGCTACG 178
Qy 247 TG---TTTGGGATGTCGACCGTGGGAGCTTGAGAACCGAGATCTGTGGTGTCTCTGGA 303
Db 179 TGGGCTTCGGCTTCTCGCCCAACGGGGCCATGGCTCGCCGCGACATCGTGTGGCGGGG 238
Qy 304 CCATGGGACATGCTCTATTTTGGGACCGCTGGAGTGACAGAGGGGCGACATCCACC 363
Db 239 TGGCCCAACGGGGCGCCCTACTCCAGGATTAATTTACAAATGCANAATAGAGAGTTGA 298
Qy 364 TGGATCCCAAGCAGGAGTACCACTGTGTCAGGTGCAGAGGACCCAGAGAGGCTTGACCC 423
Db 299 AGATGCTCAGCAGATTAACCATCTAGAAATATGCCATGGAAATAGCACACACATATA 358
Qy 424 TGCTTTTCAAGAGCCCTTTGGCACCTCGACCCCAAGGATTACCTCATTTGAAGACGGCA 483
Db 359 TTGAATTTACAGAGAGCTGCATACATGTGCATATAATGACAGAGTATAACGGATAGCA 418
Qy 484 CTGTCCACTTGGTCTACGGGATCTGTGAGGAGCGGTTCGGTCACTGGAGGCCATCAAG 543
Db 419 CTGTGAGAGTGAATCTGGGCTTACCACCATGAAGATGAGGAGAGCTGTGCTCCCAAGTACC 478
Qy 544 GCTCGGGCTTCAGATGGGCTGCAGAGGCTGCAGGCTGTCCTGTAAGCCCAATATCCCGAAC 603
Db 479 ---ATGACTCAATAGGGGACCAAGAGTTTGGGTTTATGAATCTCTGAGAAAC---TA 532
Qy 604 CGGAGTTGCCCTCAGACCGGTGCACCATGGAGGTCCAAGCTCCCAATATCCAGATCCCCA 663

RESULT 27

US-10-142-767-189

; Sequence 189, Application US/10142767

; Publication No. US20030134362A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

		; TYPE: DNA		
		; ORGANISM: Homo Sapien		
		US-10-143-033-189		
		Query Match		
		Best Local Similarity		
		Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;		
Qy	187	GCTACACCCAGGAGCCATCCATTTCCAGTCTCTGGTGGCGGAGGCTCAAGGCTGGCGTCC	246	
Db	119	GCTGGAGCCAGCGGGCAGCCAGATCGCTTCCGCTCCAGGTGCGCACTGCAGGCTACG	178	
Qy	247	TG---TTTGGATGTCGACCGTGGGAGCTTGAGAACGAGATCTCGTGTGCTCTGGA	303	
Db	179	TGGGCTTCGGCTTCTCGCCACCGGGGCCATGGCGTCCGCCGACATCGTGTGGCGGGG	238	
Qy	304	CCGATGGGACACTGCTATTTTTCGAGCGCTTGGAGTGACCAAGGGGCGAGTCCACC	363	
Db	239	TGGCCACGGGCGCCCTACTCTCAGGATTTATTTTACAAATGCAAAATAGAGAGTTGAAA	298	
Qy	364	TGGATCCCCAGCAGGACTACCCAGCTGCTGCAGGTGCAGAGGACCCAGAGGCGCTGACCC	423	
Db	299	AAGATGCTCAGCAAGATTACCATCTAGAAATATGCCATGGAAATAGACACACACATAA	358	
Qy	424	TGCTTTTCAAGAGCCCTTTGGACCTGCGACCCCAAGGATTACCTCATTTGAAGACGGCA	483	
Db	359	TTGAAATTTACAGAGAGCTGCATACATGTGACATAAATGCAAGAGTATAACGGATAGCA	418	
Qy	484	CTGTCCACTTGGTCTAGGGATCCTGGAGAGCGGTTCCGGTCACTGAGGCCATCAAG	543	
Db	419	CTGTGAGATGATCTGGGCGCTACCACTGAAGATGCAGGAGAGCTGGTCCCAAGTACC	478	
Qy	544	GCTCGGCGCTGCAGATGGGCGTGCAGAGGTGCAGCTCCTGAAGCCCAATATCCCCGAAC	603	
Db	479	---ATGACTCCATAGGGGACCAGAGTTTGGGTTATTGAATCTCGAANAAC---TA	532	
Qy	604	CGGAGTTGCCCTCAGACGCGTGACCATGAGAGTCCAAAGTCCCAATATCCAGATCCCCA	663	
Db	533	GTGTGCTATCTACAGCGCTTACCATACTTTGATCTGGTAAATCAGGACGTCCCCATCCAA	592	
Qy	664	GCAGGAGACCGTACTGTGTACATTAAGAGCTTCCAAAGGCTTCTTCGGGACC	723	
Db	593	ACAAAGATACAACATATTTGGTGCAATGTTTAAAGATTCTGTGTTCCAAGAAAGCATC	652	
Qy	724	ACATTATCAAGTAGAGCCCATCGTCCAAAGGGCAATGAGGCCCTTGTCCACCATAGG	783	
Db	653	ATGTATAAAGTTGAGCCAGTATACAGAGGCCATGAGTCTGGTGACCAATCC	712	
Qy	784	AAGTCTTCCAGTGGCCCCCGA---GATGGACAGCGTCCCCCACTTCAGCGGGCCCTGGC	840	
Db	713	TGCTCTATCAGTCAGCAACAACCTTTAAACGACAGCGTCTGGAGTCCGGCCACGAGTGCT	772	
Qy	841	ACTCCAAGATGAACCCGACCGGCTCAACTACTGCCGCCAGCTGTGGCGGCTGGGGCC	900	
Db	773	ATCACCCCAACATGCGCCGATGCAATCTCACTGTGAAACTGTGATTTTGGCTGGGCTA	832	
Qy	901	TGGGTGCCAAGGCATTTTACTACCCAGAGGAAGCGCGCTTGCCTTTCGGGGTCCAGGCT	960	
Db	833	TTGGTGAGAGGGCTTTTCTTATCCACTCATGTTGGATTATCCCTTGGCACTCCATTAG	892	
Qy	961	CCTCCAGATATCTCCGCTGGAAAGTTCACTACCAACCCCACTGGTGATAGAGGACGAA	1020	
Db	893	ATCCGCATTATGTGCTCTAGAAAGTCCATTATGATTAATCCCACTTATAGGAAGGCTTAA	952	
Qy	1021	ACGACTCTCAGGATCCGCTTGTACTACACGCCAAGCTGGCGGCTTCAACGCGGGGA	1080	
Db	953	TAGATAAATCTGGAAGGAGGTTATTTTACACAATGGATATAAGGAAATATGATGCTGGG	1012	
Qy	1081	TCATGAGCTGGGACTGGTGTACACGCCAGTATGCCATTCCACCACGGGAGCCGCT	1140	
Db	1013	TGATTAGGCTGGCTCTGGGTAGGCTCTTTCATACCATCCCTCCAGGGATGCCTGAGT	1072	
Qy	1141	TCATCCTCACTGGCTACTGCACGGACAAGTGACCCAGCTGGCACTG-----CCTC	1191	

Db	1073	TCAGTCTGAGGGTCACTGCACCTTTGGAGTGCCTGGAAGAGGCTCTGGAAGCCGAAAAGC	1133	
Qy	1192	CCTCCGGGATCCACATCTTTCGCTCTCAGCTCCACACACACCTGCTGGGAGAAAGGTGG	1251	
Db	1133	CAAGTGAATTCATGTGTTTGTGTTCTTCTCATGCTCACCTGGCTGGCAGAGGCAATCA	1192	
Qy	1252	TCAGTGTGCTCGCGGACGCGCGGAGTGGGAGATCGTGAAACGAGGCAATCACTACATA	1311	
Db	1193	GGCTGCGTCAATTTTCGAAAGGAAGAAATGAATTAATCTTGCTTATGATGATGATTTTG	1252	
Qy	1312	GCCTCACTTCCAGGAGATCCGCATGTTGAAGAGTCTGTGTCGTCATCCCGGAGATG	1371	
Db	1253	ACTTCAATTTCCAGGAGTTTCAGTATCTAAAGGAAGAACAAACAATCTTTACCAAGGATA	1312	
Qy	1372	TGCTCATCACTCTCCGCTACCAACACGAGGACCGGAGCTGGCCACAGTGGGGGGCT	1431	
Db	1313	ACCTAATTAAGTGTGCTCCCTACACACCAAGATAGAGCTGAGATGACTTTGGGAGGAC	1372	
Qy	1432	TCGGATCTCGGAGGAGATGTGTGTCAACTAGCTGCACCTACTACCC	1477	
Db	1373	TAAACACAGGAGTGAATGTGTCTCTCATACCTCTTTATTACCC	1418	

RESULT 29

US-10-144-994-189

; Sequence 189, Application US/10144994

; Publication No. US20030134364A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3330R1C257

; CURRENT APPLICATION NUMBER: US/10/144,994

; CURRENT FILING DATE: 2002-05-13

; PRIOR APPLICATION NUMBER: 60/049911

; PRIOR FILING DATE: 1997-08-18

; PRIOR APPLICATION NUMBER: 60/056974

; PRIOR FILING DATE: 1997-08-26

; PRIOR APPLICATION NUMBER: 60/059113

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059115

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059117

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059122

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059184

; PRIOR FILING DATE: 1997-09-17

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059352

; PRIOR FILING DATE: 1997-09-19

; PRIOR APPLICATION NUMBER: 60/059588

; PRIOR FILING DATE: 1997-09-19

; PRIOR APPLICATION NUMBER: 60/059836

; PRIOR FILING DATE: 1997-09-24

Db	1073	TCCAGTCTGAGGGTCACTGCACATTTGGAGTGCCTGGAGAGGCTCTGGAAGCCGAAAGC	1132
Qy	1192	CTCCCGGATCCACATCTTTCGCTCTCAGCTCCACACACACTGACTGGGAGAAAGTGG	1251
Db	1133	CAAGTGAATTCATGTGTTTGTCTTCTTCCATGTCTCACCTGGCTGGCAGAGCATCA	1192
Qy	1252	TCAGTGTCTGGTCCGGAGCGCGGAGTGGGAGATCGTGAACGAGGACAATCACTACA	1311
Db	1193	GGCTGCGTCAATTTTCGAAGAGGGAAGAAATGAATTAATTTGCTATGATGATTTTG	1252
Qy	1312	GCCCTCACTTCCAGGAGATCCGCATGTTGAAGAGTCTGTCGGTCCATCCGGAGATG	1371
Db	1253	ACTTCAATTTCCAGGAGTTTCAGTATCTAAAGGAAGAAACAATCTTACCAGAGATA	1312
Qy	1372	TGCTCATCACTCTGTCACCTACAACGAGACCGGAGCTGGCCACAGTGGGGGCT	1431
Db	1313	ACCTAATTACTGAGTGTGCTACAAACACGAAGATAGAGCTGAGATGACTTTGGGGAGC	1372
Qy	1432	TCGGGATCTGGAGGAGATGTGTCAACTACGTGCACACTACTACCC	1477
Db	1373	TAAGCACCAGAGTGAATGTCTCTCATACCTCTTTTATTACCC	1418

RESULT 29

US-10-144-994-189
; Sequence 189, Application US/10144994
; Publication No. US20030134364A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary B.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C257
; CURRENT FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059836
; PRIOR FILING DATE: 1997-09-24

60/062250	PRIOR APPLICATION NUMBER: 60/062250	60/062250
60/062251	PRIOR FILING DATE: 1997-10-17	60/062251
60/062252	PRIOR APPLICATION NUMBER: 60/062252	60/062252
60/062253	PRIOR FILING DATE: 1997-10-17	60/062253
60/062254	PRIOR APPLICATION NUMBER: 60/062254	60/062254
60/062255	PRIOR FILING DATE: 1997-10-17	60/062255
60/062256	PRIOR APPLICATION NUMBER: 60/062256	60/062256
60/062257	PRIOR FILING DATE: 1997-10-17	60/062257
60/062258	PRIOR APPLICATION NUMBER: 60/062258	60/062258
60/062259	PRIOR FILING DATE: 1997-10-17	60/062259
60/062260	PRIOR APPLICATION NUMBER: 60/062260	60/062260
60/062261	PRIOR FILING DATE: 1997-10-24	60/062261
60/062262	PRIOR APPLICATION NUMBER: 60/062262	60/062262
60/062263	PRIOR FILING DATE: 1997-10-24	60/062263
60/062264	PRIOR APPLICATION NUMBER: 60/062264	60/062264
60/062265	PRIOR FILING DATE: 1997-10-24	60/062265
60/062266	PRIOR APPLICATION NUMBER: 60/062266	60/062266
60/062267	PRIOR FILING DATE: 1997-10-31	60/062267
60/062268	PRIOR APPLICATION NUMBER: 60/062268	60/062268
60/062269	PRIOR FILING DATE: 1997-10-24	60/062269
60/062270	PRIOR APPLICATION NUMBER: 60/062270	60/062270
60/062271	PRIOR FILING DATE: 1997-10-24	60/062271
60/062272	PRIOR APPLICATION NUMBER: 60/062272	60/062272
60/062273	PRIOR FILING DATE: 1997-10-27	60/062273
60/062274	PRIOR APPLICATION NUMBER: 60/062274	60/062274
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60/062276	PRIOR APPLICATION NUMBER: 60/062276	60/062276
60/062277	PRIOR FILING DATE: 1997-10-27	60/062277
60/062278	PRIOR APPLICATION NUMBER: 60/062278	60/062278
60/062279	PRIOR FILING DATE: 1997-10-28	60/062279
60/062280	PRIOR APPLICATION NUMBER: 60/062280	60/062280
60/062281	PRIOR FILING DATE: 1997-10-28	60/062281
60/062282	PRIOR APPLICATION NUMBER: 60/062282	60/062282
60/062283	PRIOR FILING DATE: 1997-10-28	60/062283
60/062284	PRIOR APPLICATION NUMBER: 60/062284	60/062284
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60/062286	PRIOR APPLICATION NUMBER: 60/062286	60/062286
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60/062289	PRIOR FILING DATE: 1997-10-27	60/062289
60/062290	PRIOR APPLICATION NUMBER: 60/062290	60/062290
60/062291	PRIOR FILING DATE: 1997-10-27	60/062291
60/062292	PRIOR APPLICATION NUMBER: 60/062292	60/062292
60/062293	PRIOR FILING DATE: 1997-10-27	60/062293
60/062294	PRIOR APPLICATION NUMBER: 60/062294	60/062294
60/062295	PRIOR FILING DATE: 1997-10-27	60/062295
60/062296	PRIOR APPLICATION NUMBER: 60/062296	60/062296
60/062297	PRIOR FILING DATE: 1997-11-03	60/062297
60/062298	PRIOR APPLICATION NUMBER: 60/062298	60/062298
60/062299	PRIOR FILING DATE: 1997-11-07	60/062299
60/062300	PRIOR APPLICATION NUMBER: 60/062300	60/062300
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60/062302	PRIOR APPLICATION NUMBER: 60/062302	60/062302
60/062303	PRIOR FILING DATE: 1997-11-12	60/062303
60/062304	PRIOR APPLICATION NUMBER: 60/062304	60/062304
60/062305	PRIOR FILING DATE: 1997-11-12	60/062305
60/062306	PRIOR APPLICATION NUMBER: 60/062306	60/062306
60/062307	PRIOR FILING DATE: 1997-11-17	60/062307
60/062308	PRIOR APPLICATION NUMBER: 60/062308	60/062308
60/062309	PRIOR FILING DATE: 1997-11-17	60/062309
60/062310	PRIOR APPLICATION NUMBER: 60/062310	60/062310
60/062311	PRIOR FILING DATE: 1997-11-21	60/062311
60/062312	PRIOR APPLICATION NUMBER: 60/062312	60/062312
60/062313	PRIOR FILING DATE: 1997-12-11	60/062313
60/062314	PRIOR APPLICATION NUMBER: 60/062314	60/062314
60/062315	PRIOR FILING DATE: 1997-12-11	60/062315
60/062316	PRIOR APPLICATION NUMBER: 60/062316	60/062316
60/062317	PRIOR FILING DATE: 1997-12-11	60/062317
60/062318	PRIOR APPLICATION NUMBER: 60/062318	60/062318
60/062319	PRIOR FILING DATE: 1997-12-11	60/062319
60/062320	PRIOR APPLICATION NUMBER: 60/062320	60/062320
60/062321	PRIOR FILING DATE: 1997-12-11	60/062321
60/062322	PRIOR APPLICATION NUMBER: 60/062322	60/062322
60/062323	PRIOR FILING DATE: 1997-12-11	60/062323
60/062324	PRIOR APPLICATION NUMBER: 60/062324	60/062324
60/062325	PRIOR FILING DATE: 1997-12-11	60/062325
60/062326	PRIOR APPLICATION NUMBER: 60/062326	60/062326
60/062327</		

; PRIOR APPLICATION NUMBER: 60/090863
 ; PRIOR FILING DATE: 1998-06-26
 ; PRIOR APPLICATION NUMBER: 60/091360
 ; PRIOR FILING DATE: 1998-07-01
 ; PRIOR APPLICATION NUMBER: 60/091519
 ; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091982

Query Match	5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity	47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;	
Qy	187 GCTACACCCAGGAGCCCATCATTTCCAGCTCTCGGTGCGGAGGCTCAAGCTGGCGCTCC 246
Db	119 GCTGGAGCCAGCGGGGAGCCAGATGCGCTTCGCGCTCCAGGTCGCACTGCAAGGCTACG 178
Qy	247 TG---TTTGGGATCTCCGACCGTGGCAGCTTGAGAAACGAGATCTCGTGTGTCTCTGGA 303
Db	179 TGGGCTTTCCGCTTCTCGCCACACGGGCCATGGCGTCGCGCGACATCGTCTGGGCGGGG 238
Qy	304 CCGATGGGGAACATCGCTTATTTTCGGACCGCTGGAGTACCAAGAGGGGCGAGATCCACC 363
Db	239 TGGCCCAACGGCGGCCCTCATCTCCAGGATATTTTACAAATGCAAAATAGAGAGTTGAAA 298
Qy	364 TGGATCCCCAGCAGGACTACAGCTGCTGAGGTGCAGAGGACCCAGAGGGCTGCACC 423
Db	299 AAGATGCTCAGCAAGATTACCATCTGAATATGCCATGGGAAATAGCACACACAAATA 358
Qy	424 TGCTTTTCAAGAGGCCCTTTTGGCACTTCGCAACCCCAAGGATTACTCATTTGAAGACGGCA 483
Db	359 TTGAATTTACCAGAGAGCTGCATACATGTGCATAAATGACAGAGGTATAACGATAGCA 418
Qy	484 CTGTCCACTTGGTCTACCGGATCTGAGAGAGCGCTTCGGGTCTACTGGAGGCCATCAAG 543
Db	419 CTGTGAGAGTGATCTGGGCGCTTACCACCATGAAGATGCAGGAGAAGCTGGTCCCAAGTACC 478
Qy	544 GCTCGGCGCTGCAGATGGGCTGCAGAGGCTGCAGCTCTTGAGCGCCCAATATCCCGAAC 603
Db	479 ---ATGACTCCATAGGGGACCAAGAGTTTGGGTTATTGATCTCTGAGAAAC---TA 532
Qy	604 CGGAGTTGCCCTCAGACGCGTGACCAATGGAGGTCCAAGTCCCAATATCCAGATCCCCA 663
Db	533 GTGTGCTACTACAGCGCTTACCATCTTGTATCTGGTAAATCAGGACGTCCCCATCCCAA 592
Qy	664 GCAGGAGACCAAGTACTGTGTCTACATTAAAGAGCTTCCAAAGGGCTTCTTCGGGACC 723
Db	593 ACAAGATACAACATATTGTGTGCAAAATGTTTAAAGATTCTGTGTTCACAGAAAAGCATC 652
Qy	724 ACATTATCAAGTACGAGCCCATCGTCAACAGGGCAATGAGGCCCTTGTCCACACACATGG 783
Db	653 ATGTAATAAGGTTGAGCCAGTGNATCAGAGAGGCCATGAGTCTGTTGTCACCAATCC 712
Qy	784 AAGTCTTCCAGTGCGCCCCCGA---GATGACAGCGTCCCCCACTTCAGCGGGCCCTGCG 840
Db	713 TGCTCTATCAGTGCAGCAACAACTTTAAACAGACGCGTCTCGGAGTCGGGCCACGAGTGCT 772
Qy	841 ACTCCAAGATGAACCCGACCGGCTCAACTACTGCGCCACAGTGTCTGGCGCTTGGGCC 900
Db	773 ATCACCCEAACATGCCCCGATGCACTCTCACCTGTGAAACTGTGATTTTTTGGCTGGGCTA 832
Qy	901 TGGGTGCCAAGGCATTTTACTACCCAGAGGAAGCGGCGCTTGCCTTCGGGGGTCCAGGGT 960
Db	833 TTGGTGGAGAGGGCTTTTCTTATCCACTCATGTTGGATTATCCCTTGGCACTCCATTAG 892
Qy	961 CCTCCAGATATCTCGGCTCGAAGTTCACTACCAACACCACCTGGTGATAGAGGACGAA 1020
Db	893 ATCCGATTTATGTCTCCTAGAAGTCATTATGATATATCCCACTTATGAGGAAGGCTTAA 952
Qy	1021 ACAGCTCTCAGGCATCCGCTTGTACTACAGCCAGCTGCGGCGCTTCAACGCGGGGA 1080
Db	953 TAGATAAATCTGGACTGAGGTATTTTACACAATGGGATATAAGGAATAATGATGCTGGGG 1012
Qy	1081 TCATGGAGCTGGGACTGGTGTACACGCGCACTGATGGCCATTTCCACACCGGGAGACCGCCT 1140

Db	1013	TGATTGAGGCTGGCCCTTGGGTGAGCCTCTTCCATACCATCCCTCCAGGATGCCTGAGT	1072
Qy	1141	TCATCCTCACTGGCTACTGACGGACAAGTGACACCAGCTGGCACATG-----CCTC	1191
Db	1073	TCCAGTCTGAGGTCACTGCACATTTGGAGTGCTTGGGAAGGCTCTGGGAAGCCGAAAGC	1132
Qy	1192	CCTCCGGGATCCACATCTTCGCCCTCTCAGCTCCACACACACACTGACTGGGAGAAAGTGG	1251
Db	1133	CAAGTGGAAATTCATGTGTTGCTGTCTTCTCATGCTCACCCTGGCTGGCAGAGGCATCA	1192
Qy	1252	TCACAGTGTGTGTCGCGGACGGCGGGAGTGGGAGATCGTGAAACACAGGACAATCACTACA	1311
Db	1193	GGCTGCGCTCATTTTCGAAAGGGAAGAAATGAAATTACTTGCCATGATGATGATTTTG	1252
Qy	1312	GCCTCACTCCAGGAGATCCCGCATGTTGAAAGAGTCGTGCGTGCCATCCGGGAGATG	1371
Db	1253	ACTTCAATTTCCAGGAGTTTCAGTATCTAAAGGAAGAACAAACAATCTTACCAGGAGATA	1312
Qy	1372	TGCTCATCACTCCTCGACGTACAAACAGGAGACCGGGAGCTGGCCACAGTGGGGGGCT	1431
Db	1313	ACCTAATTAATGAGTGTCCGTACAAACACGAAAGATAGAGCTGAGATGACTTGGGGAGGAC	1372
Qy	1432	TCGGGATCTCGGAGGAGATGTGTGTCAACTACGTGCATCTACCC	1477
Db	1373	TAAAGCACAGGAGTGAATGTGTCTCTCATACCTCTTTATTATCCC	1418

```

RESULT 30
US-10-145-628-189
; Sequence 189, Application US/10145628
; Publication No. US20030134365A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
; FILE REFERENCE: P33301C271
; CURRENT APPLICATION NUMBER: US/10/145,628
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-628-189

```

	Query Match	5.4%	Score 146.8;	DB 12;	Length 2150;
	Best Local Similarity	47.3%;	Pred. No. 1.2e-29;		
	Matches 618;	Conservative 0;	Mismatches 667;	Indels 21;	Gaps 5;
Qy	187	GCTACACCCAGGAGGCATCCATTCCAGCTCTGGTGGGAGGCTCAAGCTGGCGTCC	245		
Db	119	GCTGGAGCCACGGGGGAGCCAGATGCCTTCGCTCCAGGTGCGCACATGCAGGCTACG	178		
Qy	247	TG---TTTGGGATGTCCGACCGTGGGAGGCTTGGAACGCAGATCTCGTGGTGTCTTGGG	303		

Db 179 TGGGCTTCGGCTTCTCGCCACCGGGGCCATGGCTCGCCGACATCGTCTGGCGGGG 238
Qy 304 CGGATGGGACACTCGCTATTTTGGGAGCGCTGAGTGACAGAGGGGAGATCCACC 363
Db 239 TGGCCACGGGGCCCTACCTCCAGGATTTATTTACAAATGCAAAATAGAGATTGAAA 298
Qy 364 TGGATCCCCAGCAGGACTACCACTGCTGCGAGGTGCGAGGACCCGAGAGGCTGACCC 423
Db 299 AAGATGCTCAGCAAGATTACCATCTAGAAATGCAATGCAAAATAGCACAACAATAA 358
Qy 424 TGCCTTTCAAGAGCCCTTTGGCAGCTCGGACCCCAAGATTACCTCATTTGAAGACGCA 483
Db 359 TTGAATTTACAGAGAGCTGCATACATGTCATATAAATGCAAGATTATACGATAGCA 418
Qy 484 CTGTCCACTTGTCTACCGGGATCTTGGAGGAGCGCTTCCGCTCAGTGGAGGCCATCAG 543
Db 419 CTGTGAGAGTATCTGGGCTTACCAACCATGAGATGCAAGAGAGCTGGTCCCAAGTACC 478
Qy 544 GCTCGGGCTCGAGATGGGGCTGCAGAGGTGCGAGCTCTGAAGCCCAATATCCCCGAAC 603
Db 479 ---ATGACTCCAATAGGGGCCACCAAGAGTTTGGCGTTATTGAATCCTGAGAAAC---TA 532
Qy 604 CGGAGTTCCTCAGACCGCTGCACATGAGAGTCCAAAGCTCCCAATATCAGATCCCCA 663
Db 533 GTGTGCTATCTACAGCTTACCATCTTGTATCTGGTAAATCAGAGCTCCCCATCCAA 592
Qy 664 GCCAGGAGCACGCTACTGTGTCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGACC 723
Db 593 ACAAGATACACATATTTGGTGCCTAAATGTTAAGATCTCTGTCTTCCAAAGAAAGATC 652
Qy 724 ACATTATCAAGTACGAGCCCATCTGCTCAAGGCAATGAGGCCCTTGTCCACCATGG 783
Db 653 ATGTAATAAAGGTTGAGCCAGTGATACAGAGAGCCATGAGAGTCTGTGTCCACCATCC 712
Qy 784 AAGTCTTCCAGTGGCCCCGA---GATGACAGCTGCCCACTTCCAGGGGCCCTGG 840
Db 713 TGCTCTATCAGTGAGCAACAACTTAAACGACAGCTTCTGAGTCCGGCCACGAGTGCT 772
Qy 841 ACTCCAAGATGAACCCGACCGCTCAACTACTGCCGCCACGCTGCGCGCTCGGCCCC 900
Db 773 ATCACCCCAACATGCCGATGCTTCTCACCTGTGAACTGTGATTTTGGCTGGGCTA 832
Qy 901 TGGGTGCAAGGCAATTTACTACAGGAGAACCGGCCCTTGGCTTCCGGGGTCCAGGGT 960
Db 833 TTGGTGAGAGGGCTTTTCTTATCCACTCATGTGATTTATCCCTTGGCACTCCATTAG 892
Qy 961 CCTCCAGATATCTCCGCTGGAAGTTCACTACCAACACCACTGGTGATAGAGGACAA 1020
Db 893 ATCCGATTAATGTCTCTAGAGTCCATTATGATATCCCACTTATGAGGAGGCTTAA 952
Qy 1021 ACGACTCTCAGGATCCGCTTGTACTACACAGCAAGCTGCGCGCTTCAACGCGGGA 1080
Db 953 TAGATAATCTCGACTGAGTTATTTTACAAATGGATATAAGAAATATGATCTGGGG 1012
Qy 1081 TCATGAGCTGGGAGTGGTGTACAGCCAGTATGCGCATTCACCAAGGAGACCGCT 1140
Db 1013 TGATTGAGCTGGGCTTGGGTGAGCTCTTCCATACCACTCCCTCCAGGAGTGCCTGAGT 1072
Qy 1141 TCATCTCTCACTGCTACTCGACGCAAGATGACCCAGCTGGGCACTG-----CCTC 1191
Db 1073 TCCAGTCTGAGGTCACTGACCTTTGGAGTGGCTGGAAGAGGCTCTGGAAGCGGAAAGC 1132
Qy 1192 CTTCCGGGATCCATCTTTCGCTCTAGCTCCACACACACCTGACTGGGAGAAAGTGG 1251
Db 1133 CAAGTGAATTCATGTGTGTGTGTCTTCTTCCATGCTCACCTGGCTGCGAGGATCA 1192
Qy 1252 TCACAGTGTGTGTCGGGAGCGGGAGTGGGAGATCTGTGACCAAGGACATCACTACA 1311
Db 1193 GGCTGGCTATTTTGAAGAGGAAAGAAATGAATAATCTGCTATGATGATGATTTTG 1252
Qy 1312 GCCTTCACTTCCAGGAGATCCGATGTTGAAGAGGCTCGTGTCCGTCCATCCGGGAGATG 1371
Db 1253 ACTTCAATTTCCAGGAGTTTTCAGTATCTAAAGAGGAAACAAACATCTTACCAGAGATA 1312

RESULT 31

US-10-145-631-189
; Sequence 189, Application US/10145631
; Publication No. US20030138891A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C273
; CURRENT APPLICATION NUMBER: US/10/145,631
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-631-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

Qy 187 GCTACACCCAGGAGGCCATCCATTTCCAGCTTCTGGTGGGAGGCTCAAGGCTGGCGTCC 246
Db 119 GCTGGAGCCAGGGGGAGCCAGATCGCTTCCGCTCCAGGTGCGCATCGAGGTACG 178
Qy 247 TG---TTTGGATGTCGACCGTGGCGAGCTTTGAGAACGAGATCTCGTGGTGTCTTGA 303
Db 179 TGGGCTTCGGCTTCTGCGCCACCGGGCCATCGCGTCCGCGCATCGTCTGGGGGGG 238
Qy 304 CCGATGGGACACTGCTTATTTTCGGACCGCTGGAGTGACCAAGGGGCGAGATCCACC 363
Db 239 TGGCCACGCGGCGCTTACCTCCAGGATTTATTTTACAAATGCAAAATAGAGATTGAAA 298
Qy 364 TGGATCCCCCAGCAGGACTTACCAGCTGTGAGGTGCGAGAGCCCAAGAGGCTGACCC 423
Db 299 AAGATGCTCAGCAAGATTACCATCTAGAAATATGCCATGGAATAGCACAACAATAA 358
Qy 424 TGCCTTTCAAGAGCCCTTTTGGACCTTGGCACCCCAAGGATTACCTCATTTGAAGACGCA 483
Db 359 TTGAATTTACCAGAGAGCTGCATACATGTGACATAAATGACAAGAGTATAACGGATAGA 418
Qy 484 CTGTCCACTTGTCTACGGGATCTGGAGGAGCGGTTCCGGTCACTGGAGGCGCATCAACG 543
Db 419 CTGTGAGAGTATCTGGGCTTACCATCAAGATGCAAGAGAGTGTGTCCTCAAGTACC 478

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Qy 544 GCTCGGCGCTCCAGATGGGGCTGCAGAGGTGCAGCTCTCTGAAGCCCAATATCCCGAAC 603
Db ---ATGACTCCAATAGGGGCCAAGAGATTTTGGGTTATTGAATCCTGAGAAAC---TA 532
Qy 604 CGGAGTTGCCCTCAGACGCGTGCACCATGAGGTCCAAAGCTCCCAATATCCAGATCCCA 663
Db GTGTGCTATCTACAGCCTTACCATACTTTGATCTGGTAAATCAGAGCTCCCAATCCAA 592
Qy 664 GCCAGGAGACACGCTACTGTGCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db ACAAAGATACAACATATTGGTGCCAAATGTTTAAAGATTCTGTCTCAAGAAAGCATC 652
Qy 724 ACATTATCAAGTACAGGCCATCTGCACCAAGGGCAATGAGGCCCTTGTCCACACATGG 783
Db ATGTAATAAAGGTTGAGCCAGTGTATACAGAGAGCCATGAGAGTCTGTGTGACCAACATCC 712
Qy 784 AAGTCTTCCAGTGGCGCCCGCA---GATGGACAGCTCCCGCACTTCCAGGGGCGCTGGC 840
Db TGGTCTATCAGTGAGCAACAACTTAAAGACAGCTTCTGGAGTCCGGCCACAGTGTCT 772
Qy 841 ACTCAAGATGAACCCGACCGCTCAACTACTCTCCGCGCACGTGCTGGCGCCTTGGGCC 900
Db ATCACCCCAACATGCCCGATGCTCTCACTCTGAAACTGTGATTTTGGCTGGGCTA 832
Qy 901 TGGTGTCAAGGCAATTTACTACCAAGAGAGCGCGCTTGGCTTCCGGGGTCCAGGGT 960
Db TGGTGTGAGAGGGCTTTTCTTATCCACTCATGTTGGATTATCCCTTGGCACTCCATTAG 892
Qy 961 CCTCCAGATATCTCGGCTGGAAGTTCACACCAACCCACTGGTGATAGAGACGAA 1020
Db ATCCGCAATTATGCTCTTGAAGTCCATTATGATTAATCCCACTTATGAGGAAGGCTTAA 952
Qy 1021 ACAGTCTCTCAGGCATCCGCTTGTACTACACAGCAAGCTGCGCGCTTCAACCGGGGA 1080
Db TAGATAATCTCGACTGAGGTTATTTTACAAATGATATAAGAAATATGATGCTGGG 1012
Qy 1081 TCATGAGCTGGGAGTGGTGATACCGCAGTGATGGCCATTCACACCGGAGACCGCT 1140
Db TGATTGAGGCTGGCTCTGGGTGAGCCTCTTCCATACCATCCCTCCAGGGATGCTGAGT 1072
Qy 1141 TCATCCTCACTGGCTACTGCAGCGACAAGTGCACCCAGCTGGCACTG-----CCTC 1191
Db TCCAGTCTGAGGGTCACTGCATTTGGAGTGGCTTGGAGAGGCTCTGGAAGCGCAAAAGC 1132
Qy 1192 CCTCCGGGATCCACATCTTGGCTCTCAGTCTCCACACACACCTGACCTGGGAGAAAGTGG 1251
Db CAAGTGAATTCATGTCTTGTCTTCTTCCATGCTCACCTGGCTGGCAGAGGCATCA 1192
Qy 1252 TCACAGTGTGCTGGCGGACGGCGGAGTGGGAGATCGTGAAACAGGACAACTCACTACA 1311
Db GGCTGCTCATTTTCGAAAAGGGAAGGAATGAAATTAATTAATTAATGATGATGATTTG 1252
Qy 1312 GCCTCACTTCCAGGAGATCGCATGTTGAAGAGTCTGTGCTGGTCCATCCGGAGATG 1371
Db ACTTCAATTTCCAGAGTGTTCAGTATCTAAAGGAAGAACAAACAATCTTACAGGAGATA 1312
Qy 1372 TGCTCATCACTCTCTGCACGTACAAACAGGAAGACCGGAGCTGGCCACAGTGGGGGCT 1431
Db ACCTAATTAAGTGTGCTGCTACACAGGAAGATAGAGTGAATGATGATGATGAGTGGGAGGAC 1372
Qy 1432 TCGGGATCTGGAGGAGATGTGTGTCMACTACGTGCACTACTACCC 1477
Db TAAGCACAGAGTGAATGTGTCTCTCATACCTCTTTTATTACCC 1418
```

RESULT 32

US-10-145-633-189

; Sequence 189, Application US/10145633

; Publication No. US2003013892A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

```
; APPLICANT: Deenoysers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C291
; CURRENT APPLICATION NUMBER: US/10/145,633
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-633-189
```

Query Match 5.4%; Score 146.8; DB 12; Length 2150;

Best Local Similarity 47.3%; Pred. No. 1.2e-29;

Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

```
Qy 187 GCTACACCCAGGAGCCATCCATTTCCAGCTCTCTGTGCGGAGGCTCAAGGCTGGCGTCC 246
Db 119 GCTGGAGCAGCGGGGAGCCAGATCGCTTCCGCTCCAGGTGGCAGCTGCAGGCTACG 178
Qy 247 TG---TTTGGGATGTCGACCGGTGGCGAGCTTGAAGACGACAGATCTCGTGTGCTTGA 303
Db 179 TGGGCTTTCGGCTTCTCGCCACCGGGCCATGGCGTCCGCGACATCGTCTGGCGGGG 238
Qy 304 CCATGGGACACTGCTCTATTTCGCGACGCTTGGAGTGCACGAGGGGAGATCCACC 363
Db 239 TGGCCACCGGGCGCTTCTCTCCAGGATTTATTTTCAAAATAGAGATTGAATA 298
Qy 364 TGGATCCCGCAGCAGGACTACAGCTGTGAGGTGCAGAGGACCCAGAGGCTGACCC 423
Db 299 AAGATGCTCAGCAAGATTACCATCTAGAATATGCCATGGAAATAGCACACACATAA 358
Qy 424 TGCTTTTCAAGAGGCCCTTTGGCACCTGCGACCCCAAGGATTTACTCTATTGAAGACGGCA 483
Db 359 TTGAATTTTACAGAGAGCTGCATACATGTGACATAAATGACAGAGTATAACGGATAGCA 418
Qy 484 CTGTCCACTTGGTCTACGGGATCCTGGAGGAGCGGTTCCGGTCACTGGAGGCCATCAACG 543
Db 419 CTGTGAGAGTGATCTGGGCTTACCCATGAGATGAGGAGAGAGTGGTCCCAAGTACC 478
Qy 544 GCTCGGCGCTGCAGATGGGGCTGCAGAGGCTGCAGCTCTCTGAAGCCCAATATCCCGAAC 603
Db 479 ---ATGACTCCAATAGGGGCCAAGAGTTTGGGTTATTGAATCCTGAGAAAC---TA 532
Qy 604 CGGAGTTGCCCTCAGACGCGTGCACCATGAGGTGCCAAGCTCCCAATATCCAGATCCCA 663
Db 533 GTGTGCTATCTACAGCCTTACCATACTTTGATCTGGTAAATCAGAGGCTCCCAATCCAA 592
Qy 664 GCCAGGAGACCGTACTGGTGTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db 593 ACAAAGATACAACATATTGGTGCCAAATGTTTAAAGATTCTGTGTTTCAAGAAAGCATC 652
Qy 724 ACATTATCAAGTACAGGCCCATCGTCCACCAAGGGCAATGAGGCCCTTGTCCACACATGG 783
Db 653 ATGTAATAAAGGTTGAGCCAGTGTATACAGAGAGGCCATGAGAGTCTGTGTGACCAACATCC 712
Qy 784 AAGTCTTCCAGTGGCGCCCGCA---GATGGACAGCGTCCCGCACTTCCAGGGGCGCTGGC 840
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Db 713 TGCTCTATCAGTCGACGCAACAATTTAAACGACAGCGTTCTGGAGTCGGGCCAGGAGTGT 772
Qy 841 ACTCCAAGATGAAACCCGCGCTCAACTACTGCGCGCACGTCGTGGCGCTGGGCC 900
Db 773 ATACCCCAACATGCCCGATGCATCTCTACCTGTGAAACTGTGATTTTGGCTGGGCTA 832
Qy 901 TGGGTGCCAAGGATTTTACTACCCAGAGGAAGCGCGCTTGCCTTCCGGGGTCCAGGT 960
Db 833 TTGGTGAGAGGCTTTTCTTATCCACCTCATGTTGGATATCCCTTGGCACTCCATTAG 892
Qy 961 CCTCCAGATATCCCGCTGGAAAGTTCAACACAAACCACTGTGTATAGAAAGCAAA 1020
Db 893 ATCCGATATTGCTCTCTAGAGTCCATTATGATAATCCCACTTATGAGGAAGCTTAA 952
Qy 1021 ACAGCTCCTCAGGATCCGCTTGTACTACACAGCAAGCTGGCGCTTCAACGGGGGA 1080
Db 953 TAGATAATCTGAGCTAGGTTATTTTACAAATGGATATAAGGAATATGATGCTGGGG 1012
Qy 1081 TCATGAGCTGGAGCTGTGTACACGCCAGTGTGCGCAATTCACACCGGAGACCGCT 1140
Db 1013 TGATTGAGCTGGCTCTGGGTGAGCCTCTTCCATACCATCCCTCCAGGATGCTGAGT 1072
Qy 1141 TCATCTCTACTGCTACTGACGGACAGTGCACCCAGCTGGCACTG-----CCTC 1191
Db 1073 TCCAGTCTGAGGTCAGTGCATCTTGGAGTGGCTTGGAAAGGCTTGGAAAGCGAAAGC 1132
Qy 1192 CTTCCGGGATCCACATCTTTCGCTCTCAGCTCCACACACACTGACTGGGAGAAAGTGG 1251
Db 1133 CAAGTGAATTCATGTTGCTGTTCTTCTCCATGCTCAGCTGGCTGGCAGAGGCATCA 1192
Qy 1252 TCACAGTGTGTTCGGGACGCGGGAGTGGGAGTGGGAGATCGTGAACACGAGCAATCACTACA 1311
Db 1193 GCGTCGCTCATTTTCGAAAGGGAAGGAATGAAATTAATGCTATGATGATGATTTG 1252
Qy 1312 GCGCTCACTTCAGGAGATCCGCATGTTGAAAGAGGTCGTGGTCCATCCGGGAGATG 1371
Db 1253 ACTTCAATTTCCAGAGTTTCAGTATCTAAAGGAAGAACAAACATCTTACAGGAGATA 1312
Qy 1372 TGCTCATCACTCTGCAAGTACAAACACGGAAGACCGGAGCTGGCCACAGTGGGGGCT 1431
Db 1313 ACCTAATTAAGTGTGCTGTACAAACAGAAAGATAGAGCTGAGTGTGGGGAGGAC 1372
Qy 1432 TCGGATCCTGGAGAGATGTGTCAACTACGTGCACTACTACCC 1477
Db 1373 TAAGCACCAGAGTGAATGTGTCTCATACCTCTTTATTATCCC 1418

```

RESULT 33

```

; US-10-145-746-189
; Sequence 189, Application US/10145746
; Publication No. US20030134366A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Oiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C269
; CURRENT APPLICATION NUMBER: US/10/145,746

```

```

; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-746-189

```

```

Query Match
Best Local Similarity 5.4%; Score 146.8; DB 12; Length 2150;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;
Qy 187 GCTACACCCAGAGGCGCATCCATTTCCAGCTCCTGGTGGAGGCTCAAGGTCGGGTCC 246
Db 119 GCTGGAGCGAGCGGGCGAGATCGCTTCGGCTCCAGGTGCGCATCGCAGGCTAGC 178
Qy 247 TG---TTTGGGATGTCGACCCGTCGAGCTTTGAGAACGCGAGATCTCGTGGTGTCTCGA 303
Db 179 TGGGCTTTCGGCTTCTCGCCACCGGGCCATGGCGTCCCGCGACATCGTCTGGGCGGG 238
Qy 304 CCGATGGGACACTGCTATTTTGGGAGCGCTTGGAGAACGCGAGTGCACGAGGGGAGATCCACC 363
Db 239 TGGCCACCGGGCGGCTTACCTCCAGGATTTATTTACAAATGCAAAATAGAGATTTGAAA 298
Qy 364 TGGATCCCGAGCAGGACTACAGCTGTCTGAGGTGCAGAGACCCAGAGGCGCTGACCC 423
Db 299 AAGATGCTCAGCAAGATTACCATCTAGAATATGCCATGGAATAATAGCACACACATAA 358
Qy 424 TCGTTTTCAGAGGCGCTTTGGCACCTCGACCCCAAGGATTAATCTCATTTGAAGACGGCA 483
Db 359 TTGAATTTACAGAGAGCTGCATATGTGACATAAATGACAGAGTATAACGATAGCA 418
Qy 484 CTGTCCACTTGTCTACCGGATCTCGAGGAGCGCTTCCGCTCACTCGAGGCGCATCAAG 543
Db 419 CTGTGAGAGTGTCTTGGSCCTACCACTGAGATGACAGAGAGTGTGTTCCCAAGTACC 478
Qy 544 GCTCGGCTCGAGATGGGGCTCGAGAGGTCAGAGTCTCTGAAGCCCAATATCCCGAAC 603
Db 479 ---ATGACTCCAATAGGGGCAACCAAGAGTTTGGCGTTTATTTGAATCTCTGAGAAAC ---TA 532
Qy 604 CGAGTTTGGCTTCAGACGCGTGACCATGAGGTCGAGTCTCTGAAGCCCAATATCCCGAAC 663
Db 533 GTGTGCTATCTACAGCTTACCATCTTTGATCTGTGTAATACAGAGAGTGTGTTCCCATCCCA 592
Qy 664 CCGAGGACACGCTACTGTGTGTACATTAAGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db 593 ACAAGATACAACATATTGGTGCATAATGTTAAGATTTCTGTGTTCCAAAGAAAGCATC 652
Qy 724 ACATTATCAAGTACAGGCCCATCGTACCAAGGGCAATGAGGCCCTTGTCCACCAATGG 783
Db 653 ATGTATAAAGTTGAGCCAGTGTACAGAGGCCATGAGAGTCTGTGTCACACATCC 712
Qy 784 AAGTCTTCCAGTGGCGCCCGCA---GATGACAGCGTCCCGCACTTTCAGCGGCCCTGCG 840
Db 713 TGCTCTATCAGTCGACCAACAACTTTTAAACGACAGCTTCTGGAGTCCGGCGCAGGTGT 772
Qy 841 ACTCCAAGATGAACCGGACCGCTCAACTACTGCGCGCACGCTGTGTGGCGGCTGGGCC 900
Db 773 ATCAACCCACATGCCCCGATGCAATTCCTCACTGTGAAACTGTGATTTTTCCTGGGCTA 832
Qy 901 TGGGTGCCAAGGATTTTACTACCCAGAGGAAGCGGCTTCCCTTCCGGGGTCCAGGT 960
Db 833 TTGGTGAGAGGCTTTTCTTATCCACCTCATGTTGGATATCTCCCTTGGCACTCCATTAG 892
Qy 961 CCTCCAGATATCTCGGCTGGAAAGTTCACTACCAACCACTGTGTATAGAAAGCAAA 1020
Db 893 ATCCGATATTGCTCTCTAGAGTCCATTATGATAATCCCACTTATGAGGAAGCTTAA 952
Qy 1021 ACAGCTCCTCAGGATCCGCTTGTACTACACAGCAAGCTGGCGCTTCAACGGGGGA 1080
Db 953 TAGATAATTTCTGAGCTGAGGTTATTTTACAAATGGATATAAGGAATATGATGCTGGGG 1012

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Qy 1081 TCATGAGCTGGGAGTGGTGTACAGCCAGTGTGGCCATTCCACCGGAGACCGCCT 1140
    |||||
Db 1013 TGATTGAGGCTGGGCTCTGGGTGAGCCTCTTCCATACCATCCCTCCAGGGATGCTGAGT 1072
    |||||
Qy 1141 TCATCCTCACTGGCTACTGACCGGACAGTGCACCCAGCTGGCACTG-----CCTC 1191
    |||||
Db 1073 TCCAGTCTGAGGTCATCTGCATCTTGGAGTGCCCTGGAGAGGCTCTGGAAGCCGAAAGC 1132
    |||||
Qy 1192 CCTCCGGGATCCACATCTTGGCCTCTCAGCTTCCACACACACCTGACTGGGAGAAAGTGG 1251
    |||||
Db 1133 CAAGTGAATTCATGTGTGTGTCTTCTTCCATGCTCACTGGCTGGCAGAGGCATCA 1192
    |||||
Qy 1252 TCACAGTGTGCTCCGGGACGCGCGGAGTGGGAGATCGTGAACACGAGCAATCACTACA 1311
    |||||
Db 1193 GGCTGCGTCAATTTTCGAAAAGGAAGAAATGAAATTAATTGCTGATGATGATTTTG 1252
    |||||
Qy 1312 GCCCTCACTTCCAGGAGATCGCATGTTGAAGAGTGTGTCGGTCCATCCGGAGATG 1371
    |||||
Db 1253 ACTTCAATTTCCAGGAGTTCAGTATCTTAAGGAAGAAACAAACAACTTTACCGAGAGATA 1312
    |||||
Qy 1372 TGCTCATCACCTCTCGCACGTACAAACACGGAAGACCGGGAGCTGGCCACAGTGGGGGCT 1431
    |||||
Db 1313 ACCTAATTTACTGAGTGTGCTACAAACAGAAAGATAGAGCTGAGATGACTTGGGGAGGAC 1372
    |||||
Qy 1432 TCGGATCTGGAGGAGATGTGTCACTACGTGCACTACTACCC 1477
    |||||
Db 1373 TAAGCACGAGGAGTGAATGTCTCTCATACCTTCTTTATTATCCC 1418
    |||||
```

RESULT 34

US-10-145-748-189

; Sequence 189, Application US/10145748

; Publication No. US20030134367A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: ACIDS ENCODING THE SAME

; CURRENT APPLICATION NUMBER: US/10/145,748

; PRIORITY FILING DATE: 2002-05-14

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 189

; LENGTH: 2150

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-145-748-189

```
Query Match          5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;
```

```
Qy 187 GCTACACCCAGGAGGCATCTTCCAGCTCTCTGGTGGGAGGCTCAAGGCTGGCGTCC 246
    |||||
Db 119 GCTGGAGCAGCGGGGAGGAGATGCGCTTCCGCTTCCGCTCCAGGTGGCGACTGACG 178
    |||||
Qy 247 TG---TTTGGGATGTCGCGACCGTGGGAGCTTGAGAAACGAGATCTCGTGGTCTCTGGA 303
    |||||
```

```
Db 179 TGGGCTTCGGCTTCTCGCCCAACCGGGCCCATGGCGTCCGCGACATCGTGTGGCGCGGG 238
    |||||
Qy 304 CCATGGGGACACTGCTTATTTTGGCGACGCTTGGAGTGACCAAGGGGCGAGATCCACC 363
    |||||
Db 239 TGGCCCAACGGGGCGGCTTCTCTCCAGGATTTATTTTCAAAATGCAATAGAGATTGAAA 298
    |||||
Qy 364 TGGATCCCAACAGCAGGACTTACAGCTGTGCGAGGTGACAGAGACCCAGAGAGGCTGACCC 423
    |||||
Db 299 AAGATGCTCAGCAAGATTACCATCTAGAATATGCCATGGAAATAGCACACACAATAA 358
    |||||
Qy 424 TGGTTTTCAAGAGGCCCTTTGGGCACTGCGACCCCAAGGATTTACCTCATTTGAAGACGGCA 483
    |||||
Db 359 TTGAATTTTACAGAGAGCTGCATACATGTGACATAAATGAAGAGTATAACGGATAGCA 418
    |||||
Qy 484 CTGTCACACTTGTCTACGGGATCTCGAGGAGCGGTTCGGTCACTGAGAGGCAATCAACG 543
    |||||
Db 419 CTGTGAGAGTGTCTGGGCTTACCAACATGAAGATGAGAGAGAGTGGTCCCAAGTACC 478
    |||||
Qy 544 GCTCGGGCTTCAGAGTGGGCTTCAGAGGCTGAGAGTCTCTGAAGCCCAATATCCCCGAAC 603
    |||||
Db 479 ---ATGACTTCAATAGGGCACCAAGAGTTTGGGTTTATTTGAATCTCTGAGAAAC---TA 532
    |||||
Qy 604 CGAGTTGCTTCCAGCGCTGCGACCATGAGAGTTCGAAGTCCCAATATCCAGATCCCA 663
    |||||
Db 533 GTGTGCTATCTACAGCCTTACCATACTTTGATCTGGTAAATCAGGAGCTGCCCATCCAA 592
    |||||
Qy 664 GCCAGGAGACCACTACTGCTGTACATTAAGAGCTTCCAAAGGCTTCTCTCGGACCC 723
    |||||
Db 593 ACAAAGATACAAATATTTGGTCCAAATGTTTAAAGATTTCTGTTCAGAAAGGATC 652
    |||||
Qy 724 ACATTTAAGTACAGAGCCCATCGTCAACAAAGGCAATGAGGCTTGTCCACCAATGG 783
    |||||
Db 653 ATGTATAAAGGTTGAGCCAGTATACAGAGAGGCCATGAGAGTCTGTGTCCACCAATCC 712
    |||||
Qy 784 AAGTCTTCCAGTGGCGGCGCGCA---GATGACAGCGTCCCGCACTTTCAGCGGGCCCTGCG 840
    |||||
Db 713 TGCTCTATCAGTGCAGCAACACTTTAAACGACAGCGTTCGAGTTCGGGCGGCGAGTGTCT 772
    |||||
Qy 841 ACTCCAAGATGAACCGGACCGGCTCAACTACTTCCGCGCACAGTGTGCGGCGGCGGCGCC 900
    |||||
Db 773 ATCACCCCAACATGCGCCGATGCAATCTCACCTGTGAAACTGTGATTTTTCGCTGGGCTA 832
    |||||
Qy 901 TGGGTGCCAAGGCATTTTACTACCCAGAGAGGAGCGGCTTGGCTTCGGGGGTCAGGGGT 960
    |||||
Db 833 TTGGTGGAGAGGCTTTTCTTATCCACCTCATGTTGGATTTCCCTTGGCACTCCATTAG 892
    |||||
Qy 961 CTTCAGATATCTCCGCTGGAGGTTTCACTACCAACCAACCACTGGTGTATAGAGGAGCAA 1020
    |||||
Db 893 ATCCGCAATTATGTGCTCTTAGAAGTCCATTTATGATAATCCCACTTATGAGGAAGGCTTAA 952
    |||||
Qy 1021 ACGACTCTCCAGGCATCCGCTTGTACTACACAGCCAGCTGCGGCGCTTCAACCGGGGA 1080
    |||||
Db 953 TAGATAAATTTCTGGACTGAGGTTATTTTACACAAATGGATATAAGGAATAATGATGCTGGGG 1012
    |||||
Qy 1081 TCATGGAGCTGGGACTGGTGTACACCCAGTGTATGTCATTTCACACAGGAGAGACCGCCT 1140
    |||||
Db 1013 TGATTGAGGCTGGCCTCTGGGTGAGCCTCTTCCATACCATCCCTCCAGGATGCTGAGT 1072
    |||||
Qy 1141 TCATCCTCACTGGCTACTGCAACGCAAGTGACCCAGCTGGCACTG-----CCTC 1191
    |||||
Db 1073 TCCAGTCTGAGGCTCACTGCACCTTTGGAGTGGCTTGGAAAGGCTCTGGAAGCCGAAAGC 1132
    |||||
Qy 1192 CCTCCGGGATCCACATCTTGGCTCTCAGCTCCACACACACCTGACTGGGAGAAAGTGG 1251
    |||||
Db 1133 CAAGTGAATTCATGTGTGTGTGTTCTTCTCCATGCTCACTGGCTGGCAGAGGCATCA 1192
    |||||
Qy 1252 TCACAGTGTGCTGGGCGGCGGAGTGGGAGATCGTGAACACGAGGACAACTCACTACA 1311
    |||||
Db 1193 GGCTGCGTCAATTTTCAAAAGGAGGAATGAAATTAATTGCTGCTATGATGATTTTG 1252
    |||||
Qy 1312 GCCCTCACTTCCAGGAGATCCGCAATGTTGAAGAGGCTGTGTCGGTCCATCCGGAGATG 1371
    |||||
```


Db 1253 ACTTCAATTCAGGAGTTTCAGTATCTAAGAGGAGCAACAACTTACAGGAGATA 1312
 QY 1372 TGCTCATCAGCTCTGACAGTACAAACCGGAAGACGGGAGCTGGCCACAGTGGGGGGCT 1431
 Db 1313 ACCTAAATTACTGAGTGTGCTACAAACGAAAGATAGAGCTGAGATGACTTGGGAGGAC 1372
 QY 1432 TCGGGATCCCTGGAGGAGATGTGTCAACTACGTGCACTACTACCC 1477
 Db 1373 TAAGCACCAGGAGTGAATGTGTCTCTCATACCTTCTTTATTACCC 1418

RESULT 35

US-10-145-823-189
 ; Sequence 189, Application US/10145823
 ; Publication No. US20030134368A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen
 ; APPLICANT: Deforge, Laura
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Sherwood, Steven
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K
 ; APPLICANT: Wood, William
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P33301C262
 ; CURRENT APPLICATION NUMBER: US/10/145,823
 ; PRIORITY FILING DATE: 2002-05-14
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 550
 ; SEQ ID NO 189
 ; LENGTH: 2150
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-145-823-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
 Best Local Similarity 47.3%; Pred. No. 1.2e-29;
 Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;
 QY 187 GCTACACCCAGGAGGCCATTCATTTCCAGCTCTGCTGGGAGGCTCAAGGCTGGCGTCC 246
 Db 119 GCTGAGCCAGCGGGGCGGAGATCGCTTCCGCTCCAGGTGCGCATCTGAGGCTAGC 178
 QY 247 TG---TTTGGGATGTCCGACCGTGGGAGCTTGAGAACGAGATCTGCGGTGCTCGA 303
 Db 179 TGGGCTTCGGCTTCTCGCCACCGGGCCATGCGTCCGCCGACATCTGCTGGGGGGG 238
 QY 304 CCGATGGGACATGCTCTATTTTGGGAGCGCTTGGAGTACCAGAGGGGCGAGATCCACC 363
 Db 239 TGGCCACGCGGGCGGCTTCTCCAGGATTTATTTTCAAAATGCAATAGAGAGTTGAAA 298
 QY 364 TGGATCCCCAGCAGGACTACAGCTCTGAGTGCAGAGGACCCAGAGGCTTGACCC 423
 Db 299 AAGATGCTCAGCAAGATTACCATCTAGATATGCCATGGAATAATAGCACAACATPAA 358
 QY 424 TGCTTTTCAAGAGGCCCTTTGGACCTGCGACCCCAAGGATTAACCTTGAAGACGGCA 483
 Db 359 TTGAATTTTACCAGAGAGCTGCATATGATGTGACATAAATGACAAGAGTATAACGGATAGCA 418
 QY 484 CTGTCCACTTGTGTCTACGGGATCTTGGAGGACCGCTTCCGCTCACTGGAGGCCATCAAG 543
 Db 419 CTGTGAGAGTGATCTGGGCTTACCACCATGAAGATGCGAGGAGAGCTGGTCCCAAGTACC 478

QY 544 GCTCGGCGCTGCAGATGGGCTGCAGAGGCTGAGCTCTTGAAGCCCAATATATCCCCGAAC 603
 Db 479 ---ATGACTCCAATAGGGGCAACCAAGAGTTTGGGTTATTGAATCTCTGAGAAAC---TA 532
 QY 604 CGGAGTTGGCCCTCAGACGCGTGCACCATGGAGTCCAAAGCTCCCAATATCCAGATCCCCA 663
 Db 533 GTGTGCTATCTACAGCCTTACCATCTTTGATCTGTTAAATCAGGACGCTCCCATCCCAA 592
 QY 664 GCAGGAGACCAAGTACTGGTCTACATTAAGGAGCTTCCAAAGGCTTCTCTCGGACCC 723
 Db 593 ACAAGATACACATATTTGGTCCAAATGTTTAAAGATCTCTGTGTTCCAGAAAGCATC 652
 QY 724 ACATTATCAAGTAGCAGGCCATCGTCCAAAGGCAATGAGGCCCTTGTCCACCAATGG 783
 Db 653 ATGTAATAAGGTTGAGCCAGTGATACAGAGAGGCCATGAGAGTCTGTGTGACCAATCC 712
 QY 784 AGTCTTCCAGTGGCGCCCGCGA---GATGACAGAGGCTTCCCAAGGCTTCTCTCGGACCC 840
 Db 713 TGCTCTATCAGTGCAGCAACAACTTTTAAAGATCTCTGTGTTCCAGAAAGCATC 772
 QY 841 ACTCCAAGATGAACCCGACCGCTCAACTACTGCGGCCGAGTCTGTGCGGCCCTGGGCC 900
 Db 773 ATCACCCCAACATGCCCGATGCACTTCTCACTGTGAAACTGTGATTTTGTGGGCTA 832
 QY 901 TGGGTGCCAAGCATTTTACTACCCAGAGGAGCGGCTTTCCTTCCGCGGCTCCAGGCT 960
 Db 833 TTGGTGGAGAGGGCTTTCTTATCCACCTCATGTTGGATTAATCCCTTGGCACTCCATPAG 892
 QY 961 CTTCCAGATATCTCGGCTGGAAGTTCACTACCAACCCACTGTGTGATAGAAGGACAA 1020
 Db 893 ATCCGCATATGTGCTCTCTAGAGTCCATTAATATATATCCCACTTATGAGGAAGCTTAA 952
 QY 1021 AGGACTCTCTCAAGGATCGCTTGTACTACACAGCAAGCTGCGGGCTTCAACCGGGGA 1080
 Db 953 TAGATAATTTCTGGACTGAGTTTATACCAATGGATATAAGGAAATATGATGCTGGGG 1012
 QY 1081 TCATGAGCTGGGACTGGTGTACAGCCAGTGTGCGCATTTCCACCAAGGAGAGACCCGCT 1140
 Db 1013 TGATGAGGCTGGGCTCTGGGTGAGCTTCCATACCACTCCCTCCAGGAGTGCCTGAGT 1072
 QY 1141 TCATCTCTCACTGGCTACTGACGAGCAAGTGCACCCAGCTGGCACTG-----CCTC 1191
 Db 1073 TCCAGTCTGAGGCTCACTGCACTTTGGAGTGCCTTGGAAAGGCTCTGGAAGCCGAAAAGC 1132
 QY 1192 CTTCCGGGATCCACATCTTCCGCTCTCAGCTCCACACACACCTGACTGGGAGAAAGTGG 1251
 Db 1133 CAAGTGAATTCATGTGTTGCTGTTCTTCTTCCATGCTCACCTGGCTGGCAGAGGATCA 1192
 QY 1252 TCAGAGTGTGTTCCGGGAGCGCGGAGTGGAGATCGTGAACAGGACAAATCACTACA 1311
 Db 1193 GGCTGCGTCAATTTTGGAAAGGGAAGAAATGAATTAATTTACTTGCCTATGATGATTTTG 1252
 QY 1312 GCCTCTCACTCCAGGAGATCCGCATGCTTGAAGAGGTGCTGTGCGGTCCATCCGGGAGATG 1371
 Db 1253 ACTTCAATTTCCAGGAGTTTCAGTATCTAAGGAAGAACAAACAATCTTACCAGGAGATA 1312
 QY 1372 TGCTCATCACTCTCTGCACTGACACCGGAGACCGGAGCTGGCCACAGTGGGGGGCT 1431
 Db 1313 ACCTAATTTCTGAGTGTGCTGTACACGAAAGATAGAGCTGAGATGACTTGGGGAGGAC 1372
 QY 1432 TCGGGATCTCTGGAGGAGATGTGTGCTCAACTAGCTGCTACTACTACCC 1477
 Db 1373 TAAGCACCAGGAGTGAATGTGTCTCTCATACCTTCTTTATTACCC 1418

RESULT 36
 US-10-145-826-189
 ; Sequence 189, Application US/10145826
 ; Publication No. US20030134369A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Beresini, Maureen

APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 616; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

187 GCTACACCCAGGAGCCATCCATTTCCAGCTCTCTGGTGGCGAGGCTCAAGGCTGGCGTCC 246
119 GCTGAGCCAGCGGGCAGCAGATCGCTTCGCCCTCCAGGTGCGCACTGCGGCTACG 178
247 TG---TTTGGATGTCGACCGTGGGAGCTTGAGAACGAGATCTCGTGGTCTCGGA 303
179 TGGGCTTCGGGCTTCGCCACCGGGGCCATGGCGTCCGCCGACATCGTGGTGGCGGG 238
304 CCGATGGGACACTGCTCTTTTGGCGACGCTGGAGTGACCAAGGGCGAGTCCACC 363
239 TGGCCACGGGGCCCTACCTCCAGGATTAATTTTCAAAATGCAATAGAGAGTTGAAA 298
364 TGGATCCCGCAGCAGGACTACCACTGCTGCGAGTGCAGAGGACCCAGAGGCTGACCC 423
299 AAGATGCTCAGCAAGATTACCATCTGCAATATGCCATGGAATAGCACACACATAA 358
424 TGCTTTCAAGAGCCCTTTGGGACCTGCGACCCCAAGGATTAATCTCATTTGAAGACGCA 483
359 TTGAATTTACAGAGAGCTGCATACATGTGACATAAATGACAGAGTATAACGGATAGCA 418
484 CTGTCCACTTGTCTACGGGATCTGGAGGAGCGGTTCCGGTCACTGGAGGCCATCAACG 543
419 CTGTGAGAGTGATCTGGGCTTACCCATGAGATGAGAGAGTGGTCCCAAGTACC 478
544 GCTCGGCGCTCGAGATGGGCTGCGAGGCTGCGAGCTCTCTGAAGCCCAATATCCCCGAAC 603
479 ---ATGACTCCATAGGGGACCAAGAGTTTGGGTTATTGATCTCGAGAAAC---TA 532
604 CGGAGTTGCCCTCAGACCGGTGACCAATGAGAGTCCCAAGTCCCAATATCCAGATCCCCA 663
533 GTGTGCTATCTACAGCCTTACCATACCTTGTATCTGGTAATCAGGAGCTCCCCATCCAA 592
664 GCAGGAGACCGTACTGTGTCTACATTAAGGAGCTTCCAAAGGGCTTCTCTGGGACC 723
593 ACAAGATACAACATATTTGGTGCATATGTTAAGATTCCTGTGTTCGAAGAAAGCATC 652
724 ACATTATCAAGTACGAGCCCATCTGTCACCAAGGCAATGAGGCCCTTGTCCACCACATGG 783
653 ATGTATTAAGGTTGAGCCAGTATACAGAGGCCATGAGAGTCTGTGTCACCAACATCC 712
784 AGTCTTCCAGTGGCGCCCCGA---GATGACAGCGGTCCCCCACTTCCAGCGGGCCCTGG 840

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

US-10-145-870-189
Sequence 189, Application US/10145870
Publication No. US20030134370A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C274

Db 713 TGCTCTATCATGTGCGAGCAACAACTTTAAACGACGAGCTTCTGGAGTCCGGCCACGAGTGCT 772
Qy 841 ACTCAAAGATGAACCCGACCGCTCAACTACTCCCGCCAGCTGTGSCCGCCTGGGCCC 900
Db 773 ATACCCCAACATGCCGATGTCATCTCACTGTGAACATGTGATTTTTCCTGGGCTA 832
Qy 901 TGGGTGCAAGGCAATTTTACTACCCAGAGGAGCGGCTTTGCCCTTCGGGGTCCAGGGT 960
Db 833 TTGGTGAGAGGGGCTTTTCTTATCCACTCATGTGATTTATCCCTTGGCACTCCATTAG 892
Qy 961 CTCCAGATATCTCCGCTCGAAGTTCACTACCAACACCCACTGCTGTATAGAAGACGAA 1020
Db 893 ATCCGCAATTATGTCTCTAGAACTCCATTATGATAATCCCACTTATGAGGAAGGCTTAA 952
Qy 1021 ACAGCTCTCAGGATCCGCTTGTACTACAGCAAGCTGCGGCGCTTCAACCGGGGA 1080
Db 953 TAGATAATCTCGGACTGAGGTTATTTTACAAATGGAATATAAGAAATATATGCTGGGG 1012
Qy 1081 TCATGGAGCTGGGACTGGTGTACACGCCAGTGTGAGGCTTTCCACCGGAGACCGCT 1140
Db 1013 TGATTGAGGCTGGCTCTGGGTGAGCCTTTCCATACCATCCCTCCAGGGATGCTGAGT 1072
Qy 1141 TCATCCTCACTGGTACTGACGGAAGTGCACCCAGCTGGCACTG-----CCTC 1191
Db 1073 TCCAGTCTGAGGGTCACTGCACCTTTGGAGTGCCTTGGAGAGGCTCTGGAAGCCGAAAGC 1132
Qy 1192 CTTCCGGGATCCACATCTTCGCTCTCAGCTTCCACACACACCTGACCTGGGAGAAAGTGG 1251
Db 1133 CAAGTGAATTCATGTGTTTGTGTTCTTCTCCATGCTCACCCTGGCTGGCAGAGCATCA 1192
Qy 1252 TCACAGTGTGCTCGGACGGCGGAGTGGGAGATCGTGAACACGAGCAATCACTACA 1311
Db 1193 GGCTGGCTCATTTTCGAAAGAGGAGAAATGAATTAATTTACCTATGATGATTTG 1252
Qy 1312 GCCTCACTTCAGGAGATCCGATGTTGAAGAGTGTGTTGAGTGTGCTGCTGCTCCAGGAGATG 1371
Db 1253 ACTTCAATTTCCAGGAGTTTTCAGTATCTAAAGGAGAAACAACTTTCACGAGAGATA 1312
Qy 1372 TGCTCATCACTCTCGCAGCTACAAACGAGACCGGAGCTGGCCACAGTGGGGGCT 1431
Db 1313 ACCTAATTCATGAGTGTGCTCAACACGAAAGATGAGCTGAGATGACTTGGGGAGAC 1372
Qy 1432 TCGGATCTCGGAGGAGATGTGTCAACTACGTGCACTACTACCC 1477
Db 1373 TAAGCAGGAGTGAATGTCTCTCATACCTTCTTTATTATACC 1418

RESULT 37

US-10-145-870-189
Sequence 189, Application US/10145870
Publication No. US20030134370A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C274

;
; CURRENT APPLICATION NUMBER: US/10/145,870
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-870-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

QY 187 GCTACACCCAGAGGCCATCCATTTCCAGCTCTGTGGGAGGCTCAAGGCTGGCGTCC 246
Db |||||
QY 119 GCTGGAGCCAGCGGGGAGCAGATCGCTTCGCGCTCCAGGTGCGCACTGCAGGCTAG 178
Db |||||
QY 247 TG----TTTGGATGTCCGACCGTGGCGAGCTTGAGAAACGAGATCTCGTGGTCTGGA 303
Db |||||
QY 179 TGGGCTTTGGGCTTCTCGCCACCGGGCCATGCGCTCGCCGACATCGTCTGGGCGGG 238
Db |||||
QY 304 CCGATGGGACACTGCTATTTTGGCGAGCCCTGGAGTGACACAGAGGGGAGATCCACC 363
Db |||||
QY 239 TGGCCACAGGGCGGCTTCTCCAGGATTTATTTTACAAATGCAATAGAGTTGAAA 298
Db |||||
QY 364 TGGATCCCAAGCAGGACTACAGCTGCTGAGGTGCGAGAGGACCCAGAGGCTGACCC 423
Db |||||
QY 299 AAGATGCTCAGCAAGATTACCATCTAGATATGTCATGACATAAATGCAAGAGTATAC 418
Db |||||
QY 424 TGCTTTTCAAGAGCCCTTTGGCACCTGGACCCCAAGGATTACCTCATTTGAAGACGCA 483
Db |||||
QY 359 TTGAATTTACAGAGAGCTGCATATGTCATGACATAAATGCAAGAGTATACGATAGCA 418
Db |||||
QY 484 CTGTCCACTTGTCTACGGGATCTCTGGAGGAGCCGCTTCGCTGCTACTGGAGCCATCA 543
Db |||||
QY 419 CTGTGAGAGTATCTGGGCTTACCATGATGAGATGAGGAGAGCTGGTCCCAAGTACC 478
Db |||||
QY 544 GCTCGGCTGAGATGGGGTGGAGGGTGCAGGCTGCTGAGGCTTCCAAAGCCCAATATCC 603
Db |||||
QY 479 ---ATGACTTCAATAGGGGACCAAGAGTTTGGGTTTATTTGAATCTCTGAGAAAC--TA 532
Db |||||
QY 604 CGAGTGTCCCTCAGACGCGTGCACCTGAGAGTCCCAAGCTCCCAATATCCAGATCCCA 663
Db |||||
QY 533 GTGTCTATCTACAGCCCTTACCATCTTGTATCTGGTAAATCAGGAGCTCCCATCCCAA 592
Db |||||
QY 664 GCAGGAGACCACTGCTGCTGCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db |||||
QY 593 ACAAGATACACATATTTGGTGCCTAAATGTTTAAAGATTCCTGTGTTCCAGAAAGCATC 652
Db |||||
QY 724 ACATTTATCAAGTACGAGCCCATCTCTCACCAGGCGATGAGCCCTTGTTCACCAATG 783
Db |||||
QY 653 ATGTAATAAAGTTTGGCCAGTGTATCAGAGAGCCATGAGTCTGGTGCACCAATCC 712
Db |||||
QY 784 AAGTCTTCCAGTGGCGCCCGA---GATGACAGCGTCCCGCCATTCAGCGGCGCTCG 840
Db |||||
QY 713 TGCTCTATCATGTCAGCAACAACCTTTAAACGACAGCTTCTGGAGTCCGCGCAGAGTCT 772
Db |||||
QY 841 ACTCCAAGATGAACCCGCGCTCACTACTGCGCCAGCTGCTGGCGCGCTGGCGCC 900
Db |||||
QY 773 ATCACCCCAACATGCCGATGCAATCTCACCTGTGAAACTGTGATTTTGGCTGGGCTA 832
Db |||||
QY 901 TGGGTGCCAAGGATTTTACTACCCAGAGGAAGCCGCGCTTCCCTTCGGGGTCCAGGGT 960
Db |||||
QY 833 TTGGTGGAGAGGCTTTTCTTATCCACCTCATGTTGGATTTATCCCTTGGCACTCATAG 892
Db |||||
QY 961 CTCTCCAGATATCTCCGCTTGGAGTTCACTACCAACACCTAGTGTGATAGAGAGCA 1020
Db |||||
QY 893 ATCCGATATATGCTCTCTAGAGTCCATTTATGATAATCCCACTTATGAGAGAGCTTAA 952
Db |||||
QY 1021 ACAGCTCTCAGGCACTCCGCTTGTACTACAGCAAGCTGCGGCTTCAACCGCGGGA 1080
Db |||||
QY 953 TAGATAATTTCTGAGTGTGATTTATTTTACAAATGATATAGGAAATATGATGCTGGG 1012
Db |||||

QY 1081 TCATGGAGCTGGGACTGGTGTACACGCCAGTGTATGATGCCATTTCCACCGGAGACCGCT 1140
Db |||||
QY 1013 TGATTGAGGCTGGCTCTGGGTGAGCTCTTCCATACCATCCCTCCAGGATGCTGTAGT 1072
Db |||||
QY 1141 TCATCCTCACTGGCTACTGCGGACGAGTGCACCCAGCTGGCACTG-----CCTC 1191
Db |||||
QY 1073 TCCAGTCTGAGGGTCACTGCACCTTTGGAGTGCCTGGAAGAGGCTCTGGAAGCCGAAAGC 1132
Db |||||
QY 1192 CTTCCGGGATCCACATCTTTCGCTCTCAGCTCCACACACACCTGAGTGGGAGAAAGTGG 1251
Db |||||
QY 1133 CAAGTGGAAATTCATGTTTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1192
Db |||||
QY 1252 TCACAGTGTGCTGCTGGGACGCGCGGAGTGGAGATCGTGAACACGAGCAATCACTACA 1311
Db |||||
QY 1193 GGTGCGTCAATTTTCCAAAAGGGAAGAAATGAAATTAATTTGCTTATGATGATTTTG 1252
Db |||||
QY 1312 GCCTCACTTCCAGAGATCCGCATGTTTCAAGAGAGTGTGTGGTCCATCCGGGAGATG 1371
Db |||||
QY 1253 ACTTCAATTTCCAGGAGTTTCAATCTTAAAGGAAGAACAAACAATCTTACAGGAGATA 1312
Db |||||
QY 1372 TGCTATCACTCTTCCAGCTACAAACAGGAGACCGGAGCTGGCCACAGTGGGGGCT 1431
Db |||||
QY 1313 ACTTAATTAAGTGTGCTGCTACAAACAGGATAGAGCTGAGTGTGGGGAGAC 1372
Db |||||
QY 1432 TCGGATCTGGAGGAGATGTTGTCAACTAGCTGCACTACTACCC 1477
Db |||||
QY 1373 TAAGCACCAGGAGTGAATGTTCTCTCATACCTTCTTTATTATACC 1418
Db |||||

RESULT 38

US-10-145-876-189
; Sequence 189, Application US/10145876
; Publication No. US20030134371A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P33301C304
; CURRENT APPLICATION NUMBER: US/10/145,876
; CURRENT FILING DATE: 2002-05-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-145-876-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;

QY 187 GCTACACCCAGAGGCCATCCATTTCCAGCTCTGTGGGAGGCTCAAGGCTGGCGTCC 246
Db |||||
QY 119 GCTGGAGCCAGCGGGGAGCAGATCGCTTCCGCTTCCAGTGTGGCGAGCTGAGCTGAGTACG 178
Db |||||

Db 419 CTGTGAGAGTGATCTGGGCTACCACTGAGATGACAGAGAGCTGGTCCCAAGTACC 478
QY 544 GCTCGGGCTGCAGATGGGGTGCAGAGGTGCAGCTCTGAAAGCCCAATATCCCGAAC 603
Db 479 ---ATGACTCCCAATAGGGGACCAAGAGATTTGGGTTATTGAATCCTGAGAAAC---TA 532
QY 604 CGAGTTGGCTTCAGACGGTGCACCATGGAGGTCCAGCTCCCAATATCCAGATCCCA 663
Db 533 GTGTGCTATCTACAGCTTACCATCTTTGATCTGGTAAATCAGGAGCTCCCATCCCA 592
QY 664 GCAGGAGACACGCTACTGTGTGTACATTAAGAGAGCTTCCAAAGGGCTTCTCTCGCAC 723
Db 593 ACAAGATACACATATTTGGTGCCTAAATGTTAAGATTCTGTGTTCCAGAAAGCATC 652
QY 724 ACATTATCAAGTACAGCCATCTGCACCAAGGCAATGAGGCTTGTCCACCATGG 783
Db 653 ATGTAATAAGGTTGAGCCAGTGATACAGAGAGCCATGAGAGTCTGGTGCACCATCC 712
QY 784 AAGTCTTCAGTGGCCCCGGA---GATGACAGCGTCCCACTTCCAGGCGCTTGTCCACCATGG 840
Db 713 TGCTCTATCAGTGCAGCAACAACTTTAAGCAGAGCGTCTGAGTCCGGCCACGAGTGT 772
QY 841 ACTCCAAGATGAAACCGGCGCTCACTACAGAGCGTCCCACTTCCAGGCGCTTGTCCGCGC 900
Db 773 ATCACCCTACATGCGCGATGCAATCTCCTCAGCTGTGAAATCTGTGATTTTGGCTGGGCTA 832
QY 901 TGGGTGCCAAGGATTTTACTACCCAGAGGAGCGCGCTTCCCTTCCGCGGCTCCAGGGT 960
Db 833 TTGGTGAGAGGGCTTTCTTATCCACCTCATGTTGGATTATCCCTTGGCACTCCATTAG 892
QY 961 CCTCCAGATATCTCCGCTGGAGTTCACTACACCACTGAGTGTGATGAAGAGCGAA 1020
Db 893 ATCCGATATGCTCTAGAGTCCATATGATAATCCCACTTATGAGGAGGCTTAA 952
QY 1021 ACAGTCTCAGGCAATGCTTTGTACTACAGAGCAAGCTCGCGCTTCAACCGGGGA 1080
Db 953 TAGATAATTTCTGAGTGAAGTTATTTTACACATGATATGAAGAAATATGATGCTGGG 1012
QY 1081 TCATGAGCTGGAGCTGGTGTACAGCGCAGTGTGAGGATGAGGATTCACACCGGAGACGCT 1140
Db 1013 TGATTGAGCTGGCTCTGGGTGAGCTCTTCCATACCTCCCTCCAGGATGCTGAGT 1072
QY 1141 TCATCTCTAGGCTACTGACGAGCAAGTGCACCCAGCTGGCACTG-----CCTC 1191
Db 1073 TCCAGTCTGAGGCTCACTGCCTTTGGAGTCTCTGGAAGGCTCTGGAAGCGCAAAAGC 1132
QY 1192 CCTCCGGATCCACATCTTCCCTCTCAGCTTCCACACCTGACTGGAGAAAGGTGG 1251
Db 1133 CAAGTGAATTCATGTGTCTGTCTTCTTCCATGCTCACTTGGCTGGCAGAGGATCA 1192
QY 1252 TCACAGTCTGGTCCGGAGCGCGGAGTGGGAGATCGTGAACAGGACATCACTACA 1311
Db 1193 GGCTGCGTCAATTTTGAAGAGGAGGAATGAATTAATCTGCTATGATGATGATTTG 1252
QY 1312 GCGCTCACTCCAGGAGATCGCATGTGTAAGAGGTGCTGTGGTCCATCCGGGAGATG 1371
Db 1253 ACTTCAATTTCCAGGAGTTTCACTATCTAAGGAGAAACAAATCTTTACCGAGATA 1312
QY 1372 TGCTATCACTCTGCACGTACAAACAGGAGCGGAGCTGGCCACAGTGGGGGCT 1431
Db 1313 ACCTAATTAAGTGTGCTACAAACAGGAGATAGACTGAGATGACTTGGGGAGGAC 1372
QY 1432 TCGGATCTCGAGGAGATGTGTGCACTAGTGCATCTACTGCTACTACTACC 1477
Db 1373 TAGCACCAGAGTGAATGTGTCTCTCATACCTCTTTATTATACC 1418

RESULT 40

US-10-146-724-189
; Sequence 189, Application US/10146724
; Publication No. US20030134373A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C317
; CURRENT APPLICATION NUMBER: US/10/146, 724
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 189
; LENGTH: 2150
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-146-724-189

Query Match 5.4%; Score 146.8; DB 12; Length 2150;
Best Local Similarity 47.3%; Pred. No. 1.2e-29;
Matches 618; Conservative 0; Mismatches 667; Indels 21; Gaps 5;
QY 187 GCTACACCCAGAGGCGCATTCATTTCCAGCTCTGTTGGAGGCTCAAGGCTGGCGTCC 246
Db 119 GCTGGAGCCACGGGGGAGCCAGATCGCTTCCGCTCCAGGTGCGCACTGCGAGGCTAG 178
QY 247 TG---TTTGGATGTCGACCGTGGCGAGCTTGAGAAACGAGATCTCGTGGTCTTGA 303
Db 179 TGGGCTTCGGCTTCTGCCACCGGGCCATGCGTCCCGCCGACATCTGCTGGGGGGG 238
QY 304 CCGATGGGACACTGCTTATTTTGGCGAGCGCTGGAGTGACCAAGGGGAGATCCACC 363
Db 239 TGGCCACGGGGCGGCTTACCTCCAGGATTTATTTACAAATGCAATAGAGAGTTGAAA 298
QY 364 TGGATCCCGAGAGGACTACCACTGCTGAGTGCGAGAGGACCCAGAGGCTGACCC 423
Db 299 AAGATGCTCAGCAAGATTACCATCTAGATATGCCATGGAATAATAGCACACATAAA 358
QY 424 TGCTTTTCAAGAGGCGCTTTGGCACCTGGACCCCAAGGATTTACCTATTGAAGACGGCA 483
Db 359 TTGAATTTACAGAGAGCTGCATATCATGTGACATAAATGCAAGAGTATAACGGATAGA 418
QY 484 CTGTCCACTTGTGTCTACGGGATCTCTGGAGGAGCGCTTCCGGTCACTGGAGGCGATCA 543
Db 419 CTGTGAGAGTGTCTCTGGGCTACCACTGAGATGAGAGTGGTGTGAGAGTGGTGTGAG 478
QY 544 GCTCGGGCTGCAGATGGGGTGCAGAGGTGCGAGTCTCTGAAGCCCAATATCCCGAAC 603
Db 479 ---ATGACTCCCAATAGGGGACCAAGAGTTTGGGCTTATTGAATCCTGAGAAAC---TA 532
QY 604 CGAGTGTGCCCTCAGACGCGTGCACCATGGAGGTCCCAAGCTCCCAATATCCAGATCCCA 663
Db 533 GTGTGCTATCTACAGCTTACCATCTTGTATCTGGTAAATCAGGAGCTCCCATCCCA 592
QY 664 GCAGGAGACACGCTACTGTGTGTACATTAAGAGCTTCCAAAGGGCTTCTCTCGGACCC 723
Db 593 ACAAGATACACATATTTGGTGCCTAAATGTTAAGATTCTGTGTTCCAGAAAGCATC 652
QY 724 ACATTATCAAGTACGAGCCCATCGTCCACCAAGGCAATGAGGCGCTTGTCCACCATGG 783
Db 653 ATGTAATAAGGTTGAGCCAGTGATACAGAGGCGCATGAGAGTCTGGTGCACCATCC 712

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